

STRATEGIC AIR COMMAND

OPERATIONS ORDER

17-52

DOMINIC

DECLASSIFIED WITH DELETIONS
Authority to 12959, as amended
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Air Force / CS / SCSC 02 MDR - 036
DTRA Signature Date 9 Oct 2001

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Karen L. Tamm DATE 24 Aug 2007



30 MARCH 1962

HEADQUARTERS STRATEGIC AIR COMMAND

1769

Offutt Air Force Base, Nebraska

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Report Documentation Page			Form Approved OMB No. 0704-0188		
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14. ABSTRACT The President has directed the Atomic Energy Commission (AEC) and the Department of Defense (DOD) to plan for a series of nuclear tests starting approximately 1 April 1962. These tests will be conducted in the Pacific Ocean in the general area of Christmas and Johnston Islands. The unclassified nickname for this operation is Dominic. SAC's participation in these tests is as outlined in this operations order.					
15. SUBJECT TERMS Nuclear test Atmospheric test Christmas Island Johnston Island Air Operations Missile Operations Atlas D Missile					
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a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified			

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HEADQUARTERS STRATEGIC AIR COMMAND
United States Air Force
Offutt Air Force Base, Nebraska

OPERATIONS ORDER

DOMINIC

SERIAL NUMBER 17-62

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RECORD OF AMENDMENTS

HEADQUARTERS STRATEGIC AIR COMMAND
Offutt Air Force Base, Nebraska
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WARNING PAGE

RECORD OF AMENDMENTS

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HEADQUARTERS STRATEGIC AIR COMMAND
United States Air Force
Offutt Air Force Base, Nebraska

ADMINISTRATIVE AND SECURITY INSTRUCTIONS

1. TITLE: (U)

This document is Strategic Air Command Operations Order Number 17-62. (U)

2. EFFECTIVE DATE: (U)

This operations order is effective upon receipt. (U)

3. NICKNAME: (U)

The unclassified nickname for this operation is Dominic. (U)

4. PRIMARY OFFICE OF INTEREST: (U)

The Current Operations Branch, Operations Division, Directorate of Operations, Headquarters Strategic Air Command, is the office of origin. Recommendations/revisions pertaining to this document should be submitted to the project officer, Lt Colonel Roscoe L. Bell, Drop 68 or extensions 44924 or 44536. (U)

5. SUPPORTING ORDERS. (U)

Supporting orders are not required from all subordinate units. 1st Strategic Aero Space Division will publish an operations launch directive. Order will be mailed so as to arrive not later than 7 May 1962 at this headquarters. Ten copies will be provided this headquarters marked DOOP - 1, DORQM - 2, DM - 1, DOCE - 1, DOWE - 1, DOCOC - 2, DOCOR - 1 and DI - 1. Detachment Commander at Hickam AFB will forward, for each aircraft operating under his jurisdiction, one copy of the aircraft's navigation and flight performance plan for each mission flown in the test series. These plans will be forwarded via air mail to Hq SAC, Attn: DOOP, so as to arrive prior to mission execution. (U)

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6. Classification. (U)

The overall classification of this order is ~~SECRET RESTRICTED DATA~~.
AFR 205-1 and SACR 205-15. Each paragraph and page is classified according to individual content. Reproducing, extracting and/or paraphrasing in whole or in part is authorized only to satisfy actual military requirements, and the original classification of the affected portion is maintained. This document will be safeguarded and when no longer required, or superseded, destroyed in accordance with AFR 205-1. Certificates of destruction are not required by this headquarters. This operations order is classified ~~SECRET RESTRICTED DATA~~ as it reveals nuclear testing activities. (U)

7. SPECIAL HANdLING. (U)

Special handling required - Not releaseable to Foreign Nationals. (U)

8. AMENDMENTS. (U)

Amendments to this operations order may be published in message form to addressees requiring immediate knowledge of the amendment. All amendments, including amendments published in message form, will be published by page and forwarded to all recipients of the original operations order. (U)

9. DEFINITIONS AND ABBREVIATIONS. (U)

Definitions and abbreviations used herein conform to JCS Pub 1 and AFM

11-2. (U)

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HEADQUARTERS STRATEGIC AIR COMMAND
Offutt Air Force Base, Nebraska
13 April 1962

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CHARTS AND MAP REFERENCES: As Required. (U)

TASK ORGANIZATIONS: (U)

Second Air Force	- Barksdale AFB, La	- Lt General J. D. Ryan
Eighth Air Force	- Westover AFB, Mass	- Lt General H. Harris, Jr.
Fifteenth Air Force	- March AFB, Calif	- Lt General A. J. Old, Jr.
1 Strat Aerospace Div	- Vandenberg AFB, Calif	- Maj General J. J. Preston
544 Recon Tech Gp	- Offutt AFB, Nebr	- Colonel D. H. Ainsworth
SAC Detachment Comdr	- Hickam AFB, Hawaii	- Colonel A. A. Lathan
SAC XRAY	- Camp H M Smith, Hawaii	- Colonel H. E. Watkins
1 Combat Evaluation Gp	- Barksdale AFB, La	- Colonel J. R. White
1 Communications Gp	- Offutt AFB, Nebr	- Colonel J. T. Tyler

1. GENERAL SITUATION: The President has directed the Atomic Energy Commission (AEC) and the Department of Defense (DOD) to plan for a series of nuclear tests starting approximately 1 April 1962. These tests will be conducted in the Pacific Ocean in the general area of Christmas and Johnston Islands. The unclassified nickname for this operation is Dominic. SAC's participation in these tests is as outlined in this operations order. ~~(S)~~

a. Enemy Forces: Omitted. (U)

b. Friendly Forces: (U)

(1) Joint Task Force 8.

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- (a) Establish required danger areas and publish notification. (U)
- (b) Coordinate all forward area participation and execution of SAC forces located at Hickam AFB thru the SAC Detachment Commander. (U)
- (c) Direct activities of SAC aircrew TDY to TG 8.4 for the purpose of accomplishing Air Drops in the Pacific Ocean area from an AFSC B-52. (U)
- (d) Establish flight plan routes and altitude separation for aircraft traversing uncontrolled airspace to and from the test danger areas. (U)
- (e) Provide positioning, separation and positive control of all aircraft in the test array for each event. (U)
- (f) Retain control of all aircraft from entry into test danger area until handoff to ARTC on return to the Hawaiian area. (U)
- (g) Conduct detailed pre-mission briefings for each event to include weather, mission execution procedures, ground abort procedures, takeoff procedures, communications, test aircraft positioning/array, miss-fire procedures, rad-safe procedures, flight safety, time hacks, filing of flight plans and distribution of mission flimsies. (U)
- (h) Determine that civilian personnel flying aboard SAC aircraft have properly authenticated orders or have been authorized to participate in Dominic missions by competent authority. (U)
- (i) Determine that both military and civilian technicians, observers or passengers flying aboard SAC aircraft engaged in Dominic missions have completed physiological training IAW AFR 50-27. (U)

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(j) Arrange accident/incident investigation support for aircraft and personnel engaged in test activities operating from Hickam AFB. Specialized investigation assistance will be requested from SAC, as appropriate. (U)

(k) Arrange for search and rescue support for Dominic activities, as appropriate. (U)

(l) Arrange for transportation of "Back-Up" SAC B-52 aircrew from Turner AFB to Barbers Point NAS, if aircrew is required. (U)

(m) Provide high density goggles to SAC aircrews and instructions regarding their use during event participation, as required. If aircraft installed thermal curtains are used in lieu of goggles, brief aircrews on appropriate use for each event. (U)

(n) Provide radiation safety procedures and training to include personnel dosimetry in the forward area. (U)

(o) Provide personnel dosimetry devices and operate decontamination facilities in the forward area. (U)

(p) Provide weather support for all missions flown from Hickam AFB and for missile impact area. (U)

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Date*

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(2) PACAF. (U)

(a) Provide base support, ground transportation, messing, billeting, base communications and maintenance facilities at Hickam AFB. (U)

(3) AFSC. (U)

(a) Provide or arrange for installation of instrumentation in SAC aircraft utilized in scientific data collection projects. (U)

(b) Provide an officer to perform Flight Commander duties in the T.G. 8.4 High Altitude Element. These duties will include the responsibility for reviewing mission flight plans, takeoff data, fuel reserves, alternates, etc., to determine that safety of operation is not compromised for the three AFSC KC-135 participating in Dominic. SAC Detachment Commander will assume same responsibility for SAC aircraft included as a part of the High Altitude Element package. *(u)*

(4) Los Alamos Scientific Laboratory. (U)

(a) Provide scientific briefings for aircrews as necessary to assure data collection requirements are satisfied on each mission. *(u)*

(b) Provide eight airborne specialists who have completed physiological training to operate electromagnetic and photographic measurement equipment aboard KC-135. *(u)*

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(5) AFTAC. (U)

(a) Provide scientific briefings for aircrews as necessary to assure data collection requirements are satisfied on each mission. (u)

(b) Provide three airborne specialists to operate electromagnetic radiations of radio and visual light frequencies equipment aboard KC-135. (u)

(6) USAF (DIG/Safety). (U)

(a) Review and approve all changes in established Technical Order procedures used by the SAC aircrew accomplishing Joint Task Force 8 nuclear test device releases in the Pacific Ocean area. (u)

(7) CINCPAC. (U)

(a) Be prepared to assume command and coordination responsibilities in the event of a nuclear accident as outlined in Confidential JCS Memorandum SM-932-60, "Accidents Involving Nuclear Weapons (U)", dated 23 September 1960. (u)

(b) The geographic area of responsibility is the waters, including the islands therein, of the Pacific Ocean beginning at the West Coast of the United States as described in paragraph 23 of JCS Confidential Memorandum SM-105-61 and Annex "A" thereto. (u)

(8) PACIFIC MISSILE RANGE. (U)

(a) Provide range support in accordance with RSOP 5-60 and Atlas "D" program requirement documents. (u)

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(b) Assume in-flight range safety responsibility from liftoff of the Atlas missile from the complex to entry of the target vehicle in the designated target area. (U)

(9) AFLC. (U)

(a)

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(b) Provide other logistic support as outlined in this operations order. (U)

(10) MATS. (U)

(a) Through the 1352d Motion Picture Squadron (Detachment 1, Vandenberg) provide engineering surveillance and documentary photographic coverage in accordance with AFR 95-14 and as required by 1st Strategic Aerospace Division. (U)

2. MISSION. To support Joint Task Force 8 in the collection of scientific data during the conduct of the U.S. nuclear tests in the Pacific,

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3. TASK FOR SUBORDINATE UNITS. (U)

a. Second Air Force. (U)

(1) Provide an officer in the grade of Colonel who will act as SAC Detachment Commander at Hickam AFB and exercise execution and direction

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authority over all SAC forces located at Hickam AFB in support of the nuclear tests.

(2) Provide a highly qualified B-52 aircrew, less electronics warfare officer and gunner, TDY to Task Group 8.4., Barbers Point NAS, Oahu, Hawaii, for the purpose of accomplishing nuclear test device releases in the Pacific Ocean area during Operation Dominic.

(3) Provide two U-2 aircraft, three pilots, and necessary support personnel at Hickam AFB to support Task Group 8.4 high altitude photo weather reconnaissance activities.

(4) Provide KC-135 #59-1514, two aircrews and necessary support personnel at Hickam AFB, to support Air Force Technical Application Center electromagnetic radiation of radio and visual light frequency tests.

(5) Provide KC-135 #55-3136, one aircrew and necessary support personnel at Hickam AFB to support Los Alamos Scientific Laboratory electromagnetic and photographic measurements data collection.

(6) Provide two B-47s, #52-292 and #53-2329, plus three B-47 aircrews, and KC-135 Looking Glass, #58-011, plus two KC-135 aircrews, and necessary support personnel at Hickam AFB to support Aeronautical Systems Division, Airborne Multiplex Communications Systems tests.

b. Eighth Air Force. (U)

(1) Provide a highly qualified "Back-Up" B-52 aircrew, less electronics warfare officer and gunner, from 4138th SW resources at Turner AFB, for

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"on-call" TDY to Task Group 8.4, Barbers Point NAS, Oahu, Hawaii, to accomplish nuclear test device releases in the Pacific Ocean area during Operation Dominic. (S)

c. Fifteenth Air Force. (U)

(1) Provide KC-135 #60-341, two aircrews and necessary support personnel and supplies at Hickam AFB as outlined in Annex "D" to support this operation. (U)

(2) Provide augmenting Disaster Control support for Atlas missile launch from Vandenberg AFB. (U)

d. 1st Strategic Aerospace Division. (U)

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(2) Provide operational and logistical support for this operation. (U)

(3) Publish an operations launch directive, a 10-day and a 48-hour warning order. (U)

(4) Provide qualified officers to give narration of the countdown to Headquarters USAF, Headquarters SAC, and Headquarters JTF-8, Hickam AFB. (S)

(5) Provide disaster control, see Appendix 4, Annex "B". (U)

(6) Checkout the telemetry and destruct equipment (GERSIS/IRSS) and man the 576B O&C console during the countdown. (U)

(7) Install the destruct package and connect wiring to the destruct package. (U)

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(9) Man the launch consoles with the most qualified launch crews during the countdown. Launch crews will complete standardization checks within a two-week period before the launch. (U)

(10) Provide this headquarters, attention DOTSD and DORQM, not later than X minus 5 days, the names of the launch crew, guidance crew, and the results of the standardization checks. (U)

(11) Provide data analysis on all landline and telemetry tapes, printouts, and trajectory charts generated by this launch. (U)

(12) Provide a liaison officer at Headquarters JTF-8 at Hickam AFB, This officer to be in position 10 days before launch. ~~(S)~~

(13)

(a)

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(b) Set pre-launch monitor panel altitude fuze setting in accordance with setting listed in target kit. These settings will be verified by the LCO and the console sealed. (U)

(14) Account for warhead expenditure. (U)

(15) Be responsible agency for insuring the safe and proper accomplishment of the receipt, preparation and launch of the Atlas D booster with its re-entry vehicle and warhead through liftoff. ~~(S)~~

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e. 544th RTGp.

(1) Prepare and distribute trajectory material to Headquarters 1st Strategic Aerospace Division as directed by Director of Intelligence, Headquarters SAC. (U)

f. SAC Detachment Commander. (U)

(1) Act as SAC forward area coordinator for SAC participation in each Dominic event. (U)

(2) Exercise execution and direction authority over all SAC forces operating from Hickam AFB. (U)

(3) Determine that all personnel, other than the integral SAC aircrew flying the mission, are authorized by competent authority to fly aboard the aircraft. (U)

(4) Assure that airborne technicians and others flying aboard SAC aircraft are properly briefed on airborne emergency procedures. (U)

(5) Assure that aircraft/aircrews operate according to SAC safety and peacetime standards, without exception. (U)

(6) Assure that maintenance support meets SAC standards and is accomplished in such a manner that test obligations are met. (U)

(7) Develop a plan for the use of SAC KC-135 tanker aircraft to provide emergency air refueling of B-47 aircraft engaged in test activities. (U)

(8) Schedule redeployment of aircraft back to the ZI for periodic inspections, if required. (U)

(9) Coordinate redeployment of SAC aircraft/aircrews back to the ZI for periodic maintenance inspections and at the conclusion of the test

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participation with Headquarters SAC. CINCSAC will execute all deployments/redeployments. (U)

(10) Notify Headquarters SAC Command Post immediately through use of SAC XRAY Command Post facilities of any airborne ground emergency involving SAC aircraft/aircrews. (U)

(11) Render reports required in Annex "C". (U)

g. SAC XRAY. ((U))

(1) Provide assistance and make SAC XRAY facilities available to SAC Detachment Commander at Hickam AFB as necessary to fulfill his responsibilities. (U)

(2) Act as coordinating and communications link between this headquarters and the SAC Detachment Commander at Hickam AFB, as required. (U)

h. 1st Combat Evaluation Group. (U)

(1) Provide a highly qualified B-52 observer TDY to Task Group 8.4, Barbers Point NAS, Oahu, Hawaii, for the purpose of performing a safety observer function aboard AFSC B-52 flown by SAC aircrew accomplishing nuclear test device releases in the Pacific Ocean area during Operation Dominic. (U)

i. 1st Communications Group.

(1) Provide five airborne radio operators and one communications controller to fly aboard KC-135 # 58-0311 in support multiplex communications tests. (U)

x. GENERAL INSTRUCTIONS: ((U))

(1) Concept of Operations. (U)

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(a) SAC will provide aircraft, aircrews and necessary maintenance personnel at Hickam AFB to support the collection of scientific data by designated military and governmental research agencies during the Pacific nuclear tests. Deployment and redeployment of SAC aircraft to and from Hickam AFB

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will be accomplished so as to keep an individual aircraft/aircrew in the forward area the minimum period of time. All SAC participation located at Hickam AFB will operate in the test series under the execution and direction authority of the SAC Detachment Commander at Hickam. ~~(S)~~

(b) SAC will provide a B-52 aircrew and safety observer on TDY to Task Group 8.4, Barbers Point NAS, to make nuclear test device releases in the Pacific test danger area from an AFSC B-52. This aircrew will function under the execution and direction authority of the Commander, Task Group 8.4. A "Back-Up" aircrew will be "on-call" at the 4138th SW, Turner AFB, and will deploy to Barbers Point NAS and replace the primary aircrew, if required.

~~(c)~~
(c)

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(2) Planning Factors: (U)

(a) Air Operations from Hickam AFB - See Annex "A". (U)

(b) Atlas launch from Vandenberg AFB - See Annex "B". (U)

(3) Ground, flying and radiological safety will be paramount during the conduct of these tests. Operations will be delayed, adjusted or cancelled as the situation dictates whenever compromise of safety is in question. ~~(S)~~

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(4) All SAC personnel supporting Operation Dominic will have a SECRET or TOP SECRET clearance. (U)

(5) Public Information. Purpose of this input is to provide standard guidance for Headquarters SAC and all subordinate units thereof in the execution of public affairs and information activities to be accomplished in support of Operation Dominic. DXI, SAC, will determine that all information activities adhere strictly to the provisions of Department of Defense Public Affairs Plan 14-1. Participating unit will make no public release without specific authority and clearance by DXI, SAC. Specific instructions will be provided to participating units by DXI, SAC, as required. (U)

4. ADMINISTRATIVE AND LOGISTICAL MATTERS: As contained in Annex "D". (U)

5. COMMAND AND COMMUNICATIONS MATTERS: (U)

a. Command: Normal. (U)

b. Execution and Direction:

(1) Air Operations. (U)

(a) Deployment and redeployment of SAC aircraft from home base to Hickam AFB will be executed by CINCSAC. Execution message will be in the form of a ZIPPO message dispatched from the Headquarters SAC Command Post. (U)

(b) SAC Detachment Commander at Hickam AFB will assume execution and direction authority over all SAC aircraft, when such aircraft are in place

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at Hickam AFB. This responsibility includes the execution and direction of all SAC aircraft providing nuclear test support. (U)

(2) Missile Operations. (U)

(a) Launch will be executed by CINCSAC. Execution procedures detailed in SACM 55-12 apply except as amplified herein. (U)

(b) Index series 240 are assigned to fast reaction messages which will be utilized for this missile launch. These messages will be flagged by "Green Dot" and will be transmitted in the format established in SACM 55-2A. Messages will contain the Green Dot flagword but will not contain a number following the flagword. ~~(T)~~

(c) Approximately five minutes prior to the scheduled and/or desired R-180 minute time CINCSAC will establish a simulated DEFCON 1 in an Index 245 message. Receipt of this message constitutes authority to initiate pre-launch count at R-180 and proceed to R-0. ~~(T)~~

(d) 1st Strategic Aerospace Division will notify Headquarters SAC Command Post when missile is at R-0. ~~(T)~~

(e) If weapon system is holding at R-0, CINCSAC will transmit an Index 244 message (Exercise strike execution order using Option 20) approximately five minutes prior to start of the terminal (T) count. Receipt of this message constitutes authority to initiate terminal countdown to achieve liftoff at scheduled time in accordance with criteria outlined in this launch directive. ~~(T)~~

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(f) In the event of an abort subsequent to initiation of the terminal countdown, 1st Strategic Aerospace Division will advise the Headquarters SAC Command Post of ETIC. After each abort, initiation of a new terminal count will be delayed until CINCSAC has transmitted a new execution order (Index 244 message). (S)

(g)

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(h)

(i) An Index 245 message simulating DEFCON 2 and establishing an "A" Hour at the beginning of the vulnerability period on X-day will not be utilized since this is a scheduled and not a "no-notice" launch. (S)

(j) Due to requirements of this launch, no effort will be made to determine capability of holding during terminal count. Therefore, an Index 245 message simulating a DEFCON 1 M will not be utilized. (S)

c. Communications: (U)

- (1) Air Operations - As contained in Appendix 6, Annex "A". (U)
- (2) Missile Operations - As contained in Appendix 3, Annex "B". (U)

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ANNEX

- A - Air Operations
- B - Missile Operations
- C - Reports
- D - Administrative and Logistical

OFFICIAL:



BRYAN M. SHOTTS
Colonel, USAF
Directorate of Operations

DISTRIBUTION: See Next Page.

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2 AF	8	DOOP	10
4 Air Div	2	DORQM	5
4C Air Div	2	DM	5
17 Strat Aerospace Div	2	DOCE	2
42 Air Div	1	DOWE	1
19 Air Div	1	DOCOC	2
4238 Strat Wg	5	DOCOR	2
4042 Strat Wg	5	DOCOAR	1
4321 Strat Wg	5	DI	2
4080 Strat Wg	5	DXIH	1
4347 CCTW	5		
3 AF	5		
322 Air Div	2		
4138 Strat Wg	3		
15 AF	8		
18 Strat Aerospace Div	2		
47 Air Div	2		
813 Air Div	2		
93 Bomb Wg	2		
9 Bomb Wg	2		
1 Strat Aerospace Div	5		
544 RTGp	2		
30 Comm Sq	1		
SAC Det Comdr - Carswell AFB	2		
SAC XRAY	2		
SAC Res Rep AFSWC, Kirtland AFB	1		
AFLC	5		
SBAMA	2		
OCAMA	2		
SMAMA	2		
AFSC	2		
ASD	2		
ESD	2		
MATS	3		
PACAF, APO 953, San Francisco, Calif	3		
Hq USAF			
DIG/Safety	1		
DNSR, Kirtland AFB	1		
AFOOP-ST	3		
[REDACTED]	3		
CINCPAC	2		
Pacific Missile Range, Point Magu, Calif	1		
JCS (J-3)	1		
JTF-8, APO 953, San Francisco, Calif	3		
JTG-8.4, APO 953, San Francisco, Calif	5		
JTG-8.4 (Rear), Kirtland AFB	3		
Los Alamos Scientific Laboratory	2		

HEADQUARTERS STRATEGIC AIR COMMAND
Offutt Air Force Base, Nebraska
30 March 1962

ANNEX "A"

TO

OPERATIONS ORDER 17-62

AIR OPERATIONS

ANNEX "A"

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HEADQUARTERS STRATEGIC AIR COMMAND
Offutt Air Force Base, Nebraska
30 March 1962

ANNEX "A"

SAC OPORD 17-62

AIR OPERATIONS

1. GENERAL. All SAC air participation in Operation Dominic is in direct support of scientific and technical data collection. Commander, Joint Task Force 8 is responsible for the overall planning, support and execution of the test series. Air operations will be conducted under the Commander, Joint Task Group 8.4, Hickam AFB. (S)
2. SAC PARTICIPATION. Certain scientific/technical projects SAC will support are limited to particular nuclear events while others encompass participation in practically every event. Individual event participation is listed in the appropriate appendix to this annex. Listed below are the projects SAC will support, the type of aircraft supporting. (U)

<u>AGENCY SUPPORTED</u>	<u>PROJECT</u>	<u>SAC AIRCRAFT</u>
JTF 8 Weather Central	Weather Photo Recon	2 U-2's
USAF Technical Application Center	Electromagnetic Radiations of Radio and Visual Light Frequency Tests	KC-135 #59-1514
Los Alamos Scientific Laboratory	Electromagnetic and Photographic Measurements Data Collection	KC-135 #55-3136

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<u>AGENCY SUPPORTED</u>	<u>PROJECT</u>	<u>SAC AIRCRAFT</u>
AFSC, Aeronautical Systems Division	Airborne Multiplex Communica- tions Systems Tests	B-47 #52-292 B-47 #53-2329 KC-135 #58-011
AFSC, Aeronautical Systems Division	Low Frequency Propagation Tests	KC-135 #60-341

3. PLANNING FACTORS: (U)

a. Deployment of SAC support aircraft and personnel to Hickam AFB will take place between approximately 16 April - 15 May 1962. Redeployment will be completed approximately 15 July 1962. For planning purposes the following is provided for aircraft/aircrew deployment/redeployment: (U)

<u>AIRCRAFT</u>	<u>NUMBER AIRCREWS</u>	<u>DEPLOYMENT</u>	<u>REDEPLOYMENT</u>
KC-135 #59-1514	Two Aircrews plus SAC Detachment Comdr	16 April	15 July
KC-135 #55-3136	One Aircrew	20 April	15 July
*U-2 (2 aircraft)	Three Aircrews	1 May	15 July
*B-47 #53-2329	One Aircrew	15 May	15 July
B-47 #52-292	One Aircrew	15 May	15 July
KC-135 #58-011	Two Aircrews plus 5 Radio Operators and 1 Communications Controller	15 May	15 July
KC-135 #60-341	Two Aircrews	15 May	15 July

*Third B-47 aircrew and third U-2 pilot will deploy to Hickam AFB aboard Special Mission Aircraft along with a major portion of the maintenance personnel package. (U)

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b. Deployment/redeployment planning and routes will be accomplished by the number air force providing the aircraft/aircrew. Direct coordination between numbered air forces is authorized for staging and/or air refueling support. (U)

c. SAC Detachment Commander will deploy aboard KC-135 #59-1514 to Hickam AFB. He will return to the ZI aboard the last KC-135 being redeployed following completion of SAC participation in Dominic from Hickam AFB. (U)

d. Primary SAC B-52 aircrew supporting TG 8.4 nuclear test device releases will deploy to Barbers Point NAS, aboard AFSC B-52 on date established by CTG 8.4. (U)

e. 1st CEG, SAC Safety Observer, will deploy to Barbers Point NAS, aboard airlift provided by TG 8.4 on date established by CTG 8.4. (U)

f. "Back-Up" SAC B-52 aircrew "on-call" at 4138th SW, Turner AFB, will deploy to Barbers Point NAS, when directed by this headquarters. (U)

g. All SAC aircraft will deploy with thermal curtains aboard the aircraft. Flash blindness procedures will be briefed prior to each mission by T.G. 8.4. (U)

h. SAC Manual 55-12, Aircraft Dash 1 T.O. and other SAC directives governing peacetime operations will apply during Operation Dominic. Waiver of any peacetime criteria must be approved by this headquarters prior to implementation. (U)

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i. The following airfields in the forward area will be used as alternates during participation in Dominic. (U)

<u>AIRFIELD</u>	<u>RUNWAY LENGTH</u>	
(1) Barbers Point NAS, Oahu Island	8,400'	(U)
(2) *Gen Lyman Field, Hilo Island	6,500'	(U)
(3) *Johnston Island	5,900'	(U)
(4) Other Airfields as a last resort		(U)
* B-47's will use only in emergency.		(U)

j. Aircrews will accomplish familiarization letdowns for the above named alternates in a flight simulator or instrument trainer prior to departing the ZI. (U)

k. Usable fuel reserve over flight planned alternates will be as follows during test operations flown to and from Hickam AFB: (U)

U-2	100 gallons	(U)
B-47	21,000 pounds	(U)
KC-135	20,000 pounds	(U)

l. Personal equipment: (U)

(1) Aircraft will deploy with full airborne personal equipment for the aircREW. Additional parachutes will be deployed aboard the aircraft as indicated below for use by the airborne technicians flying missions in the forward area: (U)

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<u>AIRCRAFT</u>	<u>EXTRA PARACHUTES</u>
KC-135 #55-3136	10
KC-135 #59-1514	5
KC-135 #58-011	8
KC-135 #60-341	3
B-47 #52-292	1
B-47 #53-2329	1

(2) Sufficient tropical climate survival equipment and oxygen bottles/outlets, as appropriate, will be available aboard all aircraft to accommodate all personnel being airlifted. (U)

m. Prior to each mission aircraft commanders will conduct a complete emergency procedures briefing for all personnel flying aboard their aircraft. (U)

n. In event of a national emergency, SAC aircraft/aircrews will redeploy to their respective home stations immediately. (U)

4. DOMINIC SHOT SCHEDULE.

a. The Dominic shot schedule given below is tentative and subject to change. Participation of SAC aircraft/aircrews in individual events is listed in applicable appendices to this annex. SAC participation will be adjusted as necessary to satisfy adjustments in the schedule. (U)

<u>SHOT DATE</u>	<u>CODE NAME</u>	<u>DEVICE</u>	<u>PREDICTED YIELD</u>	<u>DANGER AREA</u>
23 April	Abode			Christmas Island
25 April	Aztec			Christmas Island
27 April	Arkansas	<i>Detected</i>		Christmas Island
30 April	Rosebud			Christmas Island
2 May	Yukon			Christmas Island

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<u>SHOT DATE</u>	<u>CODE NAME</u>	<u>DEVICE</u>	<u>PREDICTED YIELD</u>	<u>DANGER AREA</u>
4 May	Mesilla			Christmas Island
5 May	Intercede			Christmas Island
9 May	Muskegon			Christmas Island
11 May	Yeso			Christmas Island
14 May	Encino			Christmas Island
20 June	Urraca			Johnston Island
16 May	Swanee		<i>Deleted</i>	Christmas Island
18 May	Questa			Christmas Island
21 May	Nambe			Christmas Island
23 May	Chetco			Christmas Island
25 May	Swordfish			Christmas Island
28 May	Sunset			Christmas Island
30 May	Tanana			Christmas Island
1 June	Bluegill			Johnston Island
4 June	Dial Right			300 NM NW of Johnston Island
11 June	Otowi			Christmas Island
13 June	Petit			Christmas Island
1 July	Starfish			Johnston Island
20 June	Bighorn			Christmas Island
27 June	Truckee			Christmas Island
4 July	Calaveras			Christmas Island

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RESTRICTED DATA

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5. TRAINING. (U)

a. Aircrues participating in Dominic will be considered not available when this duty leaves less than 30 calendar days for training in any training period. Aircrues available less than 30 days will be identified and reported in "Commanders Remarks" of the Unit Air Training Report (T-12). Crews reported as not available are waived SACR 50-8 training requirements. (U)

b. All rated personnel will have completed a proportionate share of AFR 60-3 minimums prior to departure from home station. Instrument/standboard checks, if falling due during period of TDY, will be accomplished prior to departure for the forward area. (U)

c. All aircrue members will have completed basic water survival indoctrination training prior to departure from home stations. (U)

d. Aircrue members and maintenance personnel will be given a specialized briefing on the rudiments of exposure control, decontamination, and handling of aircraft as outlined in the following technical orders prior to departure from home station. (U)

(1) T.O. 00-110A-1, "Guidelines for Identification and Handling of Aircraft and Material Contaminated with Fission Products Debris." (U)

(2) T.O. 00-110A-3, "Decontamination of Radioactivity Contaminated Aircraft External Surfaces." (U)

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APPENDIX 1

ANNEX "A"

TO

OPERATIONS ORDER 17-62

U-2 SUPPORT OPERATIONS

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HEADQUARTERS STRATEGIC AIR COMMAND
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APPENDIX 1

ANNEX "A"

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U-2 SUPPORT OPERATIONS

1. GENERAL: SAC U-2 aircraft will provide photographic weather support and inflight weather observations in the general area of Johnston Island in support of Operation Dominic. Weather reconnaissance sorties will be flown on days preceding Johnston Island high altitude test events to determine the weather situation. Weather reconnaissance detachment will be responsive to the needs of Joint Task Force 8 Weather Control as expressed thru the forward area SAC Detachment Commander. (S)
2. DEPLOYMENT AND OPERATIONS: Two (2) U-2 aircraft, three pilots, necessary support personnel and equipment to conduct a maximum of 18 photographic weather sorties will be deployed. Necessary "A-1" and "T" configurations will be deployed to accomplish the mission. The rocker nephogram will not be required for the "A-1" configuration. 4080th OL Commander will function under the execution and direction of the forward area SAC Detachment Commander. (U)
3. PROCESSING AND EXPLOITATION: The capability to process and deliver finished product to JTF-8 Weather Central within three hours after aircraft lands will be deployed. Photo interpreters will be provided by 4080SW and will assist JTF-8 Weather Central in analyzing film exposed on weather sorties. (S)

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4. SHOT PARTICIPATION: (U)

<u>TENTATIVE DATE</u>	<u>EVENT</u>	<u>SORTIE REQUIREMENTS</u>	
D-1	URRACA	Two	(U)
D-1	BLUEGILL	Two	(U)
D-1	STARFISH	Two	(U)

Additional weather reconnaissance sorties will be required in event of shot delay. (U)

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APPENDIX 2

ANNEX "A"

TO

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B-47/KC-135 COMMUNICATIONS RELAY OPERATIONS

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APPENDIX 2

ANNEX "A"

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B-47/KC-135 COMMUNICATIONS RELAY OPERATION

1. GENERAL: (U)

a. The purpose of this appendix is to outline the Communications-Electronics requirement, support, and procedures to measure the effects of nuclear detonations on the communications capability of the SAC Airborne Command Post (ABNCP) concept. DASA has assigned project number 7.4 to the Strategic Air Command participation in the FISH BOWL events to provide an airborne communications relay system for test purposes in a nuclear environment. Requirements exist to ascertain and measure nuclear effects on the following systems loaded with operational communications traffic: (1)

(1) Ground/air/ground operation of the 15-channel UHF FM multiplex system. (S)

(2) Ground and airborne operation of the high-powered low frequency (LF) system. (2)

(3) SAC high frequency (HF) command communications system. (3)

b. Concept of operation provides for the communications channels of the ABNCP to be operated at near capacity traffic load during the period of the detonation and propagation effects will be measured by means of

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instrumentation in the aircraft and ground stations. Data in the LF, HF, and UHF frequency ranges will be taken. To accomplish this the following tasks will be performed by the indicated agencies:

- (1) Aeronautical Systems Division (ASD) will formulate a test directive to include detailed procedures on conducting this test.
- (2) Stanford Research Institute (SRI) will be responsible for data reduction and coordination with Electronic Communications Inc (ECI) and Boeing for aircraft and ground environment instrumentation.
- (3) ECI will be responsible for operation and maintenance of the communications vans, one at Hickam and one at Johnson Island.
- (4) Boeing will be responsible for instrumentation of the B-47's (2), the KC-135 (tail #011), and for operation and maintenance of a special LF transmitter in KC-135 (tail #341.)

2. AIRCRAFT MISSIONS: (U)

a. SAC KC-135, #58-011, will participate in the Johnston Island tests. This aircraft is equipped with multiplex equipment normally used in Looking Glass missions and will serve as an air-to-air-to-ground relay link between Hickam AFB and Johnston Island and will assist JTF 8 in polling of aircraft and ships immediately following blast time. This aircraft is also instrumented for tests on UHF FM multiplex, UHF AM, HF SSB, and low frequency reception.

- (1) Personnel required to participate in missions aboard this aircraft to accomplish measurements and operate equipment are as follows:

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One Comm Controller (3034), five (5) radio operators, one ECI maintenance technician, one Boeing technician, one JTF 8 controller, and one ASD representative. Two (2) normal KC-135 aircrews will be required due to frequency of flights. The Communications Controller and five radio operators will be assigned to this project from 1 Comm Gp, Offutt AFB, and will accompany this aircraft from Offutt to Hickam and return to Offutt upon completion of mission. Other personnel listed above will be in place at Hickam to participate in missions. 

(2) The aircraft will be required to participate in two types of missions, dry runs and actual missions. The mission times listed below should be flexible in order to meet JTF 8 requirements and to coincide with blast times. Center of orbit for this aircraft will be 18:00N, 166:35W at an altitude of 31,000 feet. Orbit will be flown in accordance with TAB I. 

<u>Date/ETA Orbit</u>	<u>Time to Orbit</u>	<u>Time on Orbit</u>	<u>Time to Hickam</u>
15 May	1½ hrs	4	1½ hrs
26 May	1½ hrs	4	1½ hrs
28 May	1½ hrs	4	1½ hrs
1 Jun/T-1 hr	1½ hrs	10	1½ hrs
T+20	1½ hrs	10	1½ hrs
T+40	1½ hrs	10	1½ hrs
12 Jun	1½ hrs	4	1½ hrs
14 Jun	1½ hrs	4	1½ hrs

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15 Jun/T-1 hr	1½ hrs	10	1½ hrs
T+20	1½ hrs	10	1½ hrs
T+40	1½ hrs	10	1½ hrs
*26 Jun	1½ hrs	4	1½ hrs
*28 Jun	1½ hrs	4	1½ hrs
*30 Jun/T-1 hr	1½ hrs	10	1½ hrs
* T+20	1½ hrs	10	1½ hrs
* T+40	1½ hrs	10	1½ hrs

*These flights will be required if the URACCA shot is conducted on 30 June instead of 15 May. (S)

b. SAC B-47's, 52-292 and 53-2329, will participate in the Johnston Island tests as communications relay aircraft for the UHF multiplex link between Hickam AFB and Johnston Island. These aircraft are also instrumented to test UHF FM, UHF AM, and low frequency air-to-air reception during tests. (S)

(1) Personnel: Three B-47 crews will be required for these two aircraft due to frequency of missions. Co-pilot's position must be occupied by a pilot previously trained and qualified on ARC-89V relay equipment. One ECI technician will participate on each aircraft in all missions performed by these aircraft. ECI technicians will be in place at Hickam for tests. (S)

(2) These aircraft will be required to participate in two types of tests, dry runs and actual missions. Mission times listed below should be

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flexible in order to meet JTF 8 requirements and to coincide with blast times. Center of orbit for these aircraft will be 20:15N, 161:00W at 31,000 feet. Orbit will be flown in accordance with TAB I.

B-47 #1

<u>Date/ETA Orbit</u>	<u>Time to Orbit</u>	<u>Time on Orbit</u>	<u>Time to Hickam</u>
15 May	:45	4	:45
26 May	:45	2:30	:45
28 May	:45	2:30	:45
1 Jun/T-1:30	:45	5:30	:45
T+19:30	:45	5:30	:45
T+39:30	:45	5:30	:45
12 Jun	:45	2:30	:45
14 Jun	:45	2:30	:45
15 Jun/T-1:30	:45	5:30	:45
T+19:30	:45	5:30	:45
T+39:30	:45	5:30	:45
*26 Jun	:45	2:30	:45
*28 Jun	:45	2:30	:45
*30 Jun/T-1:30	:45	5:30	:45
* T+19:30	:45	5:30	:45
* T+39:30	:45	5:30	:45

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B-47 #2

<u>Date/ETA Orbit</u>	<u>Time to Orbit</u>	<u>Time on Orbit</u>	<u>Time to Hickam</u>
26 May	:45	2:30	:45
28 May	:45	2:30	:45
1 Jun/T+3:30	:45	5:30	:45
T+24:30	:45	5:30	:45
T+44:30	:45	5:30	:45
12 Jun	:45	2:30	:45
14 Jun	:45	2:30	:45
15 Jun/T+3:30	:45	5:30	:45
T+24:30	:45	5:30	:45
T+44:30	:45	5:30	:45
*26 Jun	:45	2:30	:45
*28 Jun	:45	2:30	:45
*30 Jun/T+3:30	:45	5:30	:45
T+24:30	:45	5:30	:45
T+44:30	:45	5:30	:45

*These flights will be required if the URACCA shot is conducted on 30 June instead of 15 May.

c. SAC KC-135, #60-0341, will participate in the Johnston Island tests as an airborne high power, low frequency, transmitting station. This aircraft will be capable of transmitting radio signals at 46 kcs and instrumented to obtain definitive test data on LF and UHF. Approximately one

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hour after take-off until one hour before landing this aircraft will be required to fly at an IAS of 200 knots due to use of a trailing wire antenna approximately 8000 feet long. (b)

(1) This aircraft will require two (2) normal KC-135 crews.

Accuracy of data collected during test is dependent upon accuracy of navigation. Three (3) Boeing technicians will be aboard this aircraft during all missions to operate and maintain transmitting and test equipments. (b)

(2) Dry run and actual missions will be approximately 13 hours duration and will be flown in accordance with coordinates specified in the ASD Test Directive. It is anticipated that this aircraft will fly five missions per test for a total of 130 hours. (b)

3. VOICE CALL SIGNS: (U)

a. USAF VCSL and appropriate command supplements (SAC, CINCPAC, etc.) apply. In addition, JTG 8.4 has been authorized certain task organization call signs for this operation. Specific call signs have been designated for use during missions from the operational base for the following SAC aircraft: (b)

- (1) BAXTER - B-47 # 292 (b)
- (2) BYRON - B-47 # 329 (b)
- (3) COGNAC - KC-135 # 011 (b)
- (4) CORDOVA - KC-135 # 341 (b)
- (5) DAZE - Communications van at Johnston (b)

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(6) GATLING - Communications van at Hickam

(7) 9D72 - LF receiver at Hickam

b. Individual call signs used by themselves are unclassified; however, when used with aircraft tail numbers, organization(s) or mission, they are classified Secret.

c. Reference TAB II for addition JTG 8.4 call signs and basic radio procedures.

4. FREQUENCIES: Reference TAB III for frequency listing currently allocated for this operation.

5. SAC XRAY COMMUNICATIONS: Upon direction of JTG 8.4, the SAC XRAY Fast Talk station may be used as the Oahu terminal of the voice circuit with appropriate patch capabilities to the ARTC and Barbers Point. They will also be used for pre-burst control of aircraft participating in FISH BOWL events. The existing hotlines will be augmented as required to support the Christina and Johnston Island events.

6. UHF BACK-UP FOR HF BLACKOUT: Because the FISH BOWL shots may result in an HF communications blackout for an undetermined length of time, it is essential that a reliable voice communications link be established between target area and Hickam ARTC for aircraft recovery. An additional requirement for this circuit is for providing a method of roll call after each FISH BOWL event. Therefore, the engineering of the JTG 8.4 airborne link as well as practice exercise will include a method by which a roll call can be taken and voice position reporting of participating aircraft can be

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relayed to ARTC. Specific procedures will be disseminated by JTG 8.4 at the operational location. ~~(U)~~

7. IFF/SIF: Specific settings for test periods will be provided participating SAC aircrews by the SAC Communications Controller on location. ~~(U)~~

8. COMMUNICATIONS SECURITY: Commanders of subordinate units and elements will advise their personnel that: (U)

a. All Joint Task Force communications circuits are subject to monitoring and that violators of security will be responsible for their own actions. ~~(U)~~

b. Unsecured radio, teletype, or telephone circuits are not approved for transmission of classified information in the clear. (U)

c. The most highly classified item in a message will determine its classification. All unclassified copy messages will be provided EFTO protection. (U)

d. Users of communications circuits are personally responsible for obtaining the proper briefings as to classification of materials they desire to discuss over communications circuits. (U)

e. Reference TAB I, Appendix 5, this Annex for additional COMSEC instructions. (U)

9. AUTHENTICATION: The nature of this operation precludes the use of authentication procedures for radio communications during test operations within the drop zone. Appropriate air traffic control facilities will be

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provided call signs of all aircraft participating in this operation and a blanket Hawaiian ADIZ clearance obtained. However, SAC crews will possess and be prepared to use KAA-38, KAA-29, and KAC-72 as required during other than the period specified above.

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HEADQUARTERS STRATEGIC AIR COMMAND
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TAB 1

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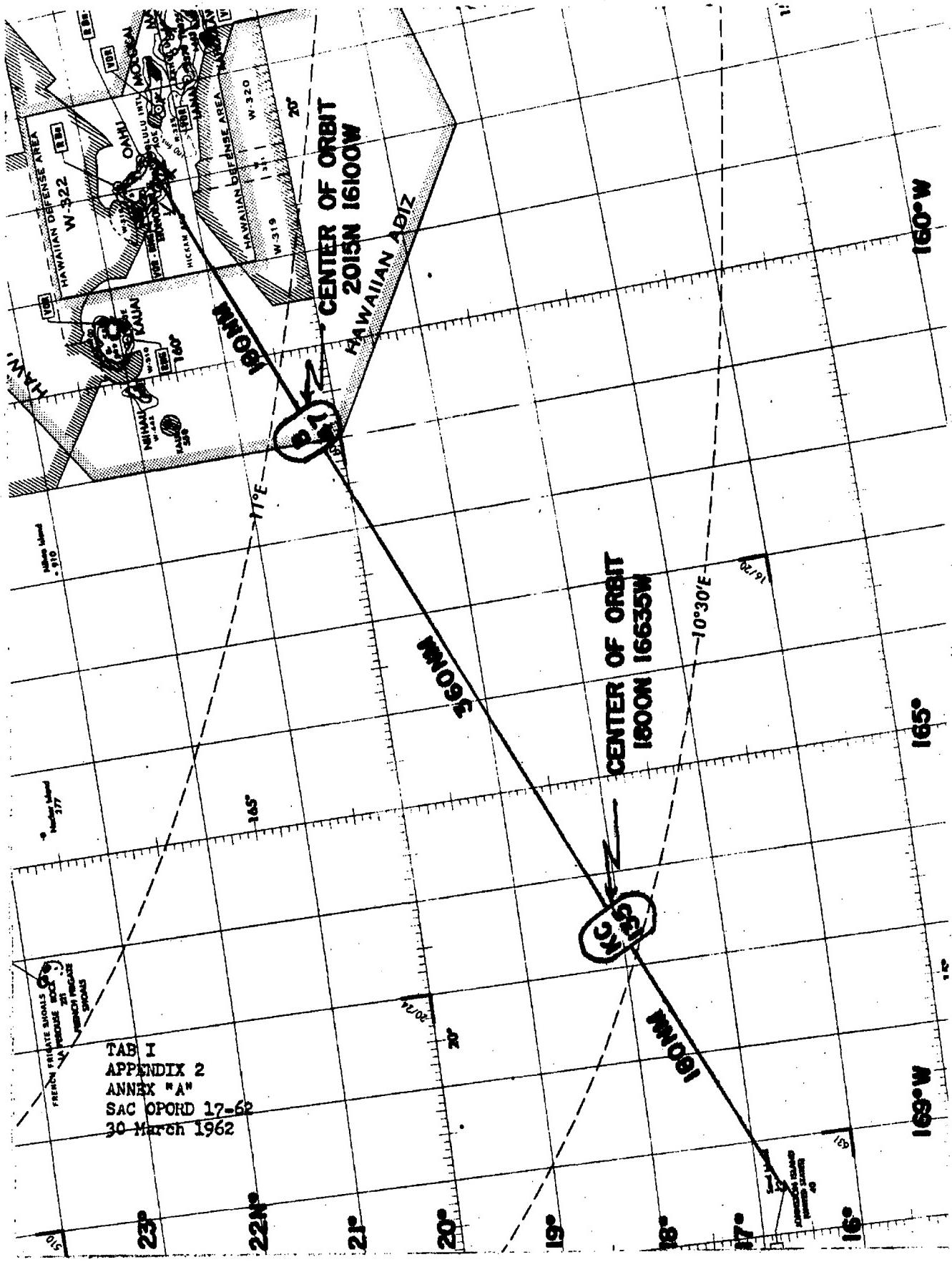
TO

SAC OPERATIONS ORDER 17-62

AIRCRAFT POSITIONING

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Headquarters Strategic Air Command
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TAB II

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CALL SIGNS

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CALL SIGNS

1. Task Organization voice call signs authorized by JTG 8.4 elements at the operational site are listed below. (U)
2. Extractions from this TAB are authorized. Individual call signs used by themselves are unclassified; however, when used with aircraft tail numbers, organization(s), or mission, they are classified Secret. (S)

a. Voice Call Signs:

<u>Organization</u>	<u>Vehicle</u>	<u>Call Sign</u>	<u>Shredout</u>
Comdr, JTG 8.4	Jeep or other Vehicle	DIAMOND HORSESHOE	

Air Operations Center INDORSE

Sandia Radar Plot CRIPPLE

<u>Organization</u>	<u>A/C Tail #</u>	<u>Call Sign</u>	<u>Shredout</u>
Drop Aircraft	B-52 #620	COW SLIP	One
Drop Aircraft	B-52 #013	COW SLIP	Two
Air Control	RC-121	ABUSIVE	One
Air Control	RC-121	ABUSIVE	Two

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Air Control	RC-121	ABUSIVE	Three
Air Force	KC-135	BETTER GOODS	One
Air Force	KC-135	BETTER GOODS	Two
Air Force	KC-135	BETTER GOODS	Three
Air Force	KC-135	BETTER GOODS	Four
Diagnostic	C-130 #298	HEWSTONE	One
Diagnostic	C-130 #299	HEWSTONE	Two
High Altitude	U-2	WHITE SPOT	One
High Altitude	U-2	WHITE SPOT	Two
Documentary	C-54	GALLEY STOVE	One
Documentary	C-54	GALLEY STOVE	Two
Medical Test	C-54	EUCALYPTUS	One
Medical Test	C-54	EUCALYPTUS	Two
Medical Test	C-54	EUCALYPTUS	Three
Medical Test	C-54	EUCALYPTUS	Four
Medical Test	C-54	EUCALYPTUS	Five
Medical Test	C-118	EUCALYPTUS	Six
Medical Test	C-118	EUCALYPTUS	Seven
Medical Test	C-118	EUCALYPTUS	Eight
Medical Test	C-118	EUCALYPTUS	Nine
Medical Test	C-118	EUCALYPTUS	Ten
Reconnaissance	WB-50	CALCIMINE	One
Reconnaissance	WB-50	CALCIMINE	Two

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Reconnaissance	WB-50	CALCIMINE	Three
Reconnaissance	WB-50	CALCIMINE	Four
Reconnaissance	WB-50	CALCIMINE	Five
Reconnaissance	WB-50	CALCIMINE	Six
Reconnaissance	WB-50	CALCIMINE	Seven
Reconnaissance	WB-50	CALCIMINE	Eight
Reconnaissance	WB-50	CALCIMINE	Nine
Reconnaissance	WB-50	CALCIMINE	Ten
Sampler Controller		NOON WATCH	
Samplers	B-57	GROTESQUE	One
Samplers	B-57	GROTESQUE	Two
Samplers	B-57	GROTESQUE	Three
Samplers	B-57	GROTESQUE	Four
Samplers	B-57	GROTESQUE	Five
Samplers	B-57	GROTESQUE	Six
Samplers	B-57	GROTESQUE	Seven
Samplers	B-57	GROTESQUE	Eight
Samplers	B-57	GROTESQUE	Nine
Samplers	B-57	GROTESQUE	Ten
Samplers	B-57	GROTESQUE	Eleven
Samplers	B-57D	FOOT SPADE	One
Samplers	B-57D	FOOT SPADE	Two

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Samplers	B-57D	FOOT SPADE	Three
Samplers	B-57D	FOOT SPADE	Four
Samplers	B-57D	FOOT SPADE	Five
Samplers	B-57D	FOOT SPADE	Six
Samplers	B-57D	FOOT SPADE	Seven
Samplers	B-57D	FOOT SPADE	Eight
Duckbutt - SAR A/C	C-54	CHICAGO CUBS	One
Duckbutt - SAR A/C	C-54	CHICAGO CUBS	Two
Duckbutt - SAR A/C	C-54	CHICAGO CUBS	Three
Duckbutt - SAR A/C	C-54	CHICAGO CUBS	Four
Helicopter Element	H-21	JOURNEY	One
Helicopter Element	H-21	JOURNEY	Two
Helicopter Element	H-21	JOURNEY	Three
Helicopter Element	H-21	JOURNEY	Four
Helicopter Element	H-21	JOURNEY	Five
Helicopter Element	H-21	JOURNEY	Six

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APPENDIX 2
ANNEX "A"
SAC OPORD 17-62
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b.

DECODE VOICE

<u>CALL/SIGN</u>	<u>ASSIGNED TO</u>
ABBEY DELTA	USS ONEYANA (YTB-862)
ABUSIVE	ALLOCATED TO CJTG 8.4
ACCESS NOVEMBER	DESDIV TWO FIVE ONE
ADMIN	ADMINISTRATIVE OFFICE OF
AIR PUMP	TU 8.1.8
ALLIANCE	COMFAIRWING TWO
APRIL WEATHER	JTF-8 RADIO STATION JOHNSTON ISLAND
ARM CHAIR	PATRON TWO TWO
ARTISTIC	ISLAND COMMANDER AT
BAKING DAY	JTF-8 RADIO STATION CHRISTMAS ISLAND
BANK RATE	TU 8.1.5
BARBER POLE	TU 8.1.1
BARGE NUMBER	SAR SHIP NUMBER
BATTERING RAM	USS AGERHOLM (DD-886)
BEAN BAG	TU 8.3.5
BEAN STALK	PATRON EIGHT SEVEN TWO
BELTING EIGHT TWENTY TWO	USNS HARRIS COUNTY (T-LST-828)
BETTER GOODS	JTF-8 RADIO STATION FAIRBANKS
BIRTHRATE	ALL SHIPS MY TACTICAL COMMAND
BLUE NOSE	TU 8.3.1
BOMB SHELL	CTU 8.1.5

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<u>CALL/SIGN</u>	<u>ASSIGNED TO</u>
BONECRUSHER	USS PREBLE (DLG-15)
BOOKSHOP	TG 8.6
BOUNDRY INDIA	USS GRASP (ARS-24)
BRASS PLATE	USS BROMSTON (DDH-577)
BRENTWOOD	USS WADDEEN (DE-544)
BROKEN HEART	TU 8.3.8
BROKEN HEART ONE	TU 8.3.8.1
BROKEN HEART TWO	TU 8.3.8.2
BROKEN HEART THREE	TU 8.3.8.3
BRONZE STAR	CTU 8.3.8
BROOM DALE	CTU 8.3.8
BROOM DALE ONE	CTU 8.3.8.1
BROOM DALE TWO	CTU 8.3.8.2
BROOM DALE THREE	CTU 8.3.8.3
BROWN SUGAR	JTF-8 RADIO STATION WALDEN
BULL MOOSE	ANY OR ALL BAR ACFT AT
CABOODLE	ALLOCATED TO CJTG 8.4
CALCIMINE	ALLOCATED TO CJTG 8.4
CAMP SHED	JTF-8 RADIO STATION PALMYRA
CAR HOP	CTU 8.1.1
CASHBOOK VICTOR	USS MONTICELLO (LSD-35)
CAUSTIC	ALLOCATED TO CJTG 8.4
CHART ROOM	USS TAYLOR (DDH-468)

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<u>CALL/SIGN</u>	<u>ASSIGNED TO</u>
CHICAGO CURS	JTF-8 RADIO STATION RORATONGA
CIRCLE DRIVE	USS FORSTER (DER-334)
CLUBFOOT	ALLOCATED TO CJTG 8.4
COLLECT	SAR CONTROLLER AT
CONGEST	CJTG 8.4
COOLIDGE	ANY SAR LAND BASED PLANES
COVERDALE	ALLOCATED TO CJTG 8.4
COWSLIP	ALLOCATED TO CJTG 8.4
CRIPPLE	ALLOCATED TO CJTG 8.4
CROSS BAIT	USS SOUTHERLAND (DDR-743)
CROSS WALK	USS IWO JIMA (LPH-2)
CRYSTAL CLEAR	JTF-8 RADIO STATION PALO ALTO CALIF
CUT PLUG	TC 8.3.4
DANCER	SOPR ADMIN AT
DANISH	CTU 8.3.3
DAYTON	USS FINCH (DER-328)
DEBIT	CTU 8.3.5
DEBIT ZERO	CTU 8.3.5.0
DEBIT ONE	CTU 8.3.5.1
DEBIT TWO	CTU 8.3.5.2
DEBIT THREE	CTU 8.3.5.3
DEBIT FOUR	CTU 8.3.5.4
DEBIT FIVE	CTU 8.3.5.5

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<u>CALL/SIGN</u>	<u>ASSIGNED TO</u>
DEBIT SIX	CTU 8.3.6.6
DEBIT SEVEN	CTU 8.3.6.7
DEBIT EIGHT	CTU 8.3.6.8
DIAMOND HORSESHOE	JTF-8 RADIO STATION KAUAI
DICKEY	TG 8.4
DISPROVE	TU 8.3.2
DOILY	CJTG 8.6
DUCKBERRY	JTF-8 RADIO STATION TUTUILA
DUMBO	AMPHIB OR SEAPLANE SAR
EAGLE ROCK	USS VANCE (DER-387)
EAST NEWARK	JTF-8 RADIO STATION MIDWAY
EJECT PAPA	COMDESDIV TWO FIVE ONE
EUCALYPTUS	ALLOCATED TO CJTG 8.4
FALTER QUEBEC	USS POLK COUNTY (LST-1584)
FALTER VICTOR	USS TAWASA (ATF-92)
FELL SWOOP	JTF-8 RADIO STATION F. FRIGATE BIRDS
FISH SKIN	JTF-8 RADIO STATION TONGATAPU
FLASH BACK	USS LANSING (DER-388)
FOOT SPADE	JTF-8 RADIO STATION KWAJALEIN
FRAMEWORK	ALLOCATED TO CJTG 8.4
FRUGAL	ALLOCATED TO CJTG 8.4
GALLEY STOVE	JTF-8 RADIO STATION OKINAWA
GALLOP BRAVO	URS DELIVER (ARS-23)
GALOSH	M/V ACANIA

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<u>CALL/SIGN</u>	<u>ASSIGNED TO</u>
GAUGE ZULU	DESDIV FIVE ONE
GRANTHAM	ALLOCATED TO CTG 8.4
GROTESQUE	ALLOCATED TO CTG 8.4
HAIRLIP	USNS POINT BARROW (T-AKD-1)
HARSWORTH BRAVO	CORTRON FIVE
HEAD BAND	USS WALKER (DDE-517)
HEMROCK	ALLOCATED TO CTG 8.4
HERDSMAN	SOPA AT
HEWSTONE	ALLOCATED TO CTG 8.4
HOOKER WHISKEY	USS WHETSTONE (LSD-27)
HOOKWORM	SAR TASK UNIT
HORNBUSH	USAS AMERICAN MARINER
HOT SPRINGS	JTF-8 RADIO STATION CANTON
HOWARD	TU 8.1.3
INDORSE	ALLOCATED TO CTG 8.4
INERTIA	ALLOCATED TO CTG 8.4
JANGLE XRAY	USS CHANAO (YTB-496)
JARDINE	ALLOCATED TO CTG 8.4
JILT NOVEMBER	USS FORT MARION (LSD-22)
JOHN LAW BRAVO	USS OAK HILL (LSD-7)
JOURNEY	ALLOCATED TO CTG 8.4
KETTLE	ALLOCATED TO CTG 8.4
KIBOSH	ALLOCATED TO CTG 8.4
LAKE CHARLES	USS SAVAGE (DER-386)

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APPENDIX 2
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<u>CALL/SIGN</u>	<u>ASSIGNED TO</u>
LAMBKIN	ALLOCATED TO CTG 8.4
LOST WORM	JTF-S RADIO STATION MAUI
LIFEGUARD	RESCUE SUBMARINE OR SURFACE SHIP
LITMUS	USNS RANGE TRACKER (T-AGM-1)
LONDON BROIL	CTU 8.1.3
LOOSE TALK	ALL SHIPS PRESENT AT
MAD RIVER	USS CHARLES E. BRANNON (DE-445)
MAGIC SONG	USS DURANT (DEK-389)
MAHATMA	CTU 8.1.6
MARION TANGO	COMCORTRON FIVE
MARKSMAN	CJTF-S
MASKED RIDER	USS RICHARD B. ANDERSON (DD-786)
MEADVILLE	USS FALGOUT
MESH 1484	LCU 1484
MESH 1485	LCU 1485
MESH 1497	LCU 1497
MESH 1498	LCU 1498
NATIVITY XRAY	USS SNOHOMISH COUNTY (LST-1126)
NOCTURN	BOAT CONTROL (CHRISTMAS)
NOON WATCH	JTF-S RADIO STATION VITI LEVU
CARFISH	USS JENKINS (DEK-447)
OBSEY	USS MARSH (DE-698)
OIL PAINT	USS HALSETT POWELL (DD-686)
OVERWORK	ALL STATIONS THIS CIRCUIT

TAB II
APPENDIX 2
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<u>CALL/SIGN</u>	<u>ASSIGNED TO</u>
PEDRO	RESCUE HELICOPTER
PENTFORD	CTU 8.1.4
PIRATE	USS CARPENTER (DDK-325)
PLAIN DEALER	CTU 8.3.5
PLAYMATE NUMBER	SAR PLANE NUMBER
PLUTO	LAND TYPE ACFT FOR SAR
POLO	CTU 8.3.6
PRETENSE	TU 8.3.7
PRETENSE ONE	TU 8.3.7.1
PRETENSE TWO	TU 8.3.7.2
PRETENSE THREE	TU 8.3.7.3
PRETENSE FOUR	TU 8.3.7.4
PRETENSE FIVE	TU 8.3.7.5
PRETENSE SIX	TU 8.3.7.6
PRETENSE SEVEN	TU 8.3.7.7
PRETENSE EIGHT	TU 8.3.7.8
PROMISE	TU 8.3.9
RADISH	USS FLETCHER (DDK-334)
RAVIOLI	TG 8.7
RED CLOUD	USS NEWELL (DDK-329)
RESCUE	SAR COORDINATION CENTER AT
RIALTO	ANY OR ALL SAR ACFT
RINGSIDE SEAT	CTG 8.5

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<u>CALL/SIGN</u>	<u>ASSIGNED TO</u>
ROAD HOUSE	USS GURKE (DD-783)
ROYAL COURT	JTF-8 RADIO STATION WAKE
SANDIES	USS NICHOLAS (DD-468)
SAPPHIRE NUMBER	SAR BOAT NUMBER
SCARE CAT KILO	COMDESDIV FIVE ONE
SCRAMBLE	JTF-8
SHABBY	CTU 8.1.8
SHELL BACK	USS MARSHALL (DD-876)
SHINE BOY	CTU 8.3.7
SHINE BOY ONE	CTU 8.3.7.1
SHINE BOY TWO	CTU 8.3.7.2
SHINE BOY THREE	CTU 8.3.7.3
SHINE BOY FOUR	CTU 8.3.7.4
SHINE BOY FIVE	CTU 8.3.7.5
SHINE BOY SIX	CTU 8.3.7.6
SHINE BOY SEVEN	CTU 8.3.7.7
SHINE BOY EIGHT	CTU 8.3.7.8
SHORE PATROL	TU 8.3.6
SHORE PATROL ZERO	TU 8.3.6.0
SHORE PATROL ONE	TU 8.3.6.1
SHORE PATROL TWO	TU 8.3.6.2
SHORE PATROL THREE	TU 8.3.6.3
SHORE PATROL FOUR	TU 8.3.6.4

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<u>CALL/SIGN</u>	<u>ASSIGNED TO</u>
SHORE PATROL FIVE	TU 8.3.6.5
SHORE PATROL SIX	TU 8.3.6.6
SHORE PATROL SEVEN	TU 8.3.6.7
SHORE PATROL EIGHT	TU 8.3.6.8
SHORT GRASS	TU 8.3.3
SHORT SKIRT	CTU 8.3.1
SHORT SNORT	CTU 8.3.4
SHUTTERBUG	CTG 8.7
SMOKY HILL	USS WILHOIT (DER-397)
SOAP SUDS	USS JOHN S. MCCAIN (DL-3)
SPAULDING	SAR TASK GROUP
SPRING VALLEY	BOAT CONTROL (JOHNSTON)
SUEZ	TU 8.1.6
SUMMERFIELD	TG 8.3
TEMPO	TU 8.1.4
TRANSPLANT	PATRON SIX
TRIMNESS HOTEL	USS JEROME COUNTY (LST-848)
TUMOR	TG 8.5
UPPERMOST	CTG 8.3
VERTICAL	ALLOCATED TO CTG 8.4
VICAR	USS ROWAN (DD-783)
WARDROBE TANGO	USS CABILDO (LSD-16)
WASHBOWL	USS O'BANNON (DD-450)

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APPENDIX 2
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<u>CALL/SIGN</u>	<u>ASSIGNED TO</u>
WHITE GOLD	MARINE HELICOPTER SQDN 364
WHITE SPOT	ALLOCATED TO CTG 8.4
WHITE RUSSIA	USS ALVIN C. COCKEREL (DE-365)
WILD ROOT	PATRON TWO EIGHT
WINDBAG	ALLOCATED TO CTG 8.4
ZIGGY VICTOR	USS PAGE COUNTY (LST-1084) (C)

TAB II
APPENDIX 2
ANNEX "A"
SAC OPORD 17-62
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c. BASIC RADIO PROCEDURES: (U)

(1) Voice circuits are not approved for transmission of classified information. (U)

(2) Transmissions will not be made without authorization from proper authority. (U)

(3) Listen before calling to insure that other conversations are not interrupted. (U)

(4) DO NOT: (U)

(a) Hold personal conversations on radio circuits. (U)

(b) Use profane, indecent, or obscene language. (U)

(c) Link call signs with individuals, organizations, or locations. (U)

(d) Tune or test excessively. (U)

(e) Speak too rapidly for the recipient to comprehend. This causes repeats and more time. (U)

(5) DO: (U)

(a) Think or write out conversations before transmitting. (U)

(b) Enunciate clearly and loudly right into the microphone. (U)

(c) Be short and concise. (U)

TAB II
APPENDIX 2
ANNEX "A"
SAC OPORD 17-62
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Headquarters Strategic Air Command
Offutt Air Force Base, Nebraska
30 March 1962

TAB III

APPENDIX 2

ANNEX "A"

TO

OPERATIONS ORDER 17-62

FREQUENCIES

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APPENDIX 2
ANNEX "A"
SAC OPORD 17-62
30 March 62

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Headquarters Strategic Air Command
Offutt Air Force Base, Nebraska
30 March 1962

TAB III

APPENDIX 2

ANNEX "A"

SAC OPORD 17-62

FREQUENCIES

1. This appendix contains frequencies for use by the military and scientific member of this force. (U)

2. CLASSIFICATION OF FREQUENCIES: (U)

a. A frequency is considered unclassified unless coupled with its frequency designator or a description of its function. (U)

b. For unclassified communications the frequency designator shall always be used to refer to a particular frequency. (U)

3. EMISSION AND POWER: (U)

a. The emissions shown indicate the maximum bandwidth authorized and, unless stated otherwise, may include any other type of emission having the same bandwidth or less and the same type of modulation. (U)

b. Supplementary characteristics are symbolized in accordance with the following letters: (U)

(1) Double sideband, full carrier None (U)

(2) Single sideband: (U)

 (a) Reduced carrier A (U)

TAB III

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- | | |
|-----------------------------------|-------|
| (b) Full Carrier | H (U) |
| (c) Suppressed carrier | J (U) |
| (3) Two independent sidebands | B (U) |
| (4) Vestigial sideband | C (U) |
| (5) Pulse: (U) | |
| (a) Amplitude modulated | D (U) |
| (b) Width (or duration) modulated | E (U) |
| (c) Phase (or position) modulated | F (U) |
| (d) Code modulated | G (U) |

4. FREQUENCIES:

<u>FREQ (KCS)</u>	<u>FREQ DESIG</u>	<u>POWER AND/OR EMISSION</u>	<u>FUNCTION</u>	<u>USER AND/OR SPECIAL INSTR'S</u>
32	VLF-1	10/25KW 1A1	Control of SAC Acft	TG 8.4
36	VLF-2	10/25KW 1A1	Control of SAC Acft	TG 8.4
39	VLF-3	10/25KW 1A1	Control of SAC Acft	TG 8.4
41	VLF-4	10/25KW 1A1	Control of SAC Acft	TG 8.4
46	VLF-5	10/25KW 1A1	Control of SAC Acft	TG 8.4
49	VLF-6	10/25KW 1A1	Control of SAC Acft	TG 8.4
4632.5 (4631)	H-218	15KW 3A3	Countdown	TG 8.5 (Holmes & Narver)

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4740	H-209	1KW 6A3	USAF A/G	TG 8.4
8188.5 (8190)	H-219	15KW 3A3	Countdown	TG 8.5 (Holmes & Narver)
9018	H-26	1KW 6A3	USAF A/G	TG 8.4
9254.5 (9253)	H-220	15KW 3A3	Countdown	TG 8.5 (Holmes & Narver)
12021.5 (12020)	H-221	15KW 3A3	Countdown	TG 8.5 (Holmes & Narver)
13355	H-214	1KW 6A3	USAF A/G	TG 8.4
15046	H-83	1KW (3A3 only)	USAF A/G	TG 8.4
15513.5 (15515)	H-222	15KW 3A3	Countdown	TG 8.5 (Holmes & Narver)
17474.5 (17473)	H-223	15KW 3A3	Countdown	TG 8.5 (Holmes & Narver)
20062.5 (20061)	H-224	15KW 3A3	Countdown	TG 8.5 (Holmes & Narver)
22858.5 (22857)	H-225	15KW 3A3	Countdown	TG 8.5 (Holmes & Narver)
243.0	U- 51	10W	Emergency & Primary Countdown	TG 8.3 & TG 8.4
260.0	U-100	1KW	Airborne Common	TG 8.4 (TU 8.1.3) (SAC)
263.0	U-141	10W/100W	Aircraft/Ground	TG 8.4
268.0	U-102	10W/100W	Ground Control	TG 8.4
275.0	U-144	10W/100W	Voice	TG 8.4

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291.4	U- 93	10W	USAF Command Control	TG 8.3 & TG 8.4
298.0	U-115	1KW	Airborne Common	TG 8.4 (TU 8.1.3) (SAC)
304.1	U-117	10W/100W	Control Position- ing of Acft	TG 8.4
306.3	U-118	10W/100W	Control Position- ing of Acft	TG 8.4
311.5	U-121	10W/100W	Control Position- ing of Acft	TG 8.4
317.1	U-123	10W/100W	Control Position- ing of Acft	TG 8.4
319.0	U-124	1KW	Airborne Common	TG 8.4 (TU 8.1.3) (SAC)
323.4	U- 35	10W/100W	Air/Ground	TG 8.4
328.4	U-143	10W/100W	Air/Ground	TG 8.4
333.3	U-126	10W/100W	Ground Control	TG 8.4
339.5	U-145	10W/100W	Air/Ground	TG 8.4
349.0	U-132	10W/100W	Blackout Control	TG 8.3 & TG 8.4
350.0	U-133	1KW	Airborne Common	TG 8.4 (TU 8.1.3) (SAC)
366.0	U-135	1KW	Airborne Common	TG 8.4 (TU 8.1.3) (SAC)
381.0	U-139	1KW	Airborne Common	TG 8.4 (TU 8.1.3) (SAC)
900/1200	R-111		IFF (APX6)	TG 8.4

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APPENDIX 2
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SAC OPORD 17-62
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HEADQUARTERS STRATEGIC AIR COMMAND
Offutt Air Force Base, Nebraska
30 March 1962

APPENDIX 3

ANNEX "A"

TO

OPERATIONS ORDER 17-62

KC-135 AFTAC SUPPORT OPERATIONS

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APPENDIX 3
ANNEX "A"
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30 March 1962

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HEADQUARTERS STRATEGIC AIR COMMAND
Offutt Air Force Base, Nebraska
30 March 1962

APPENDIX 3

ANNEX "A"

SAC OPORD 17-62

KC-135 AFTAC SUPPORT OPERATIONS

1. GENERAL. (U)

a. SAC KC-135 #59-1514 and aircrews will participate in the Dominic nuclear tests series conducted near Christmas and Johnston Islands in direct support of the Air Force Technical Applications Center's collection of electromagnetic radiations of radio and visual light frequencies data. The aircraft will fly in the vicinity of Fanning Island for the Christmas Island series, and at specified locations in the general area of Johnston Island for the high altitude series. 

b. The Air Force Technical Applications Center will establish the technical requirements for the requisition of diagnostic data and provide technical personnel to operate all special airborne data collection equipment. Minimum of three technicians will fly aboard the aircraft on each mission for this purpose. The AFTAC project officer, Major John R. Moran, will be responsible for the security and transmittal of diagnostic data collected during this operation. Edgerton, Germeshausen and Grier, Inc., a contractor to AFTAC, will provide technical assistance as required for the operation of airborne diagnostic equipment, and process and analyze data acquired. 

APPENDIX 3
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30 March 1962

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2. AIRCRAFT POSITIONING: (U)

a. The AFTAC support KC-135 will be positioned in an orbit pattern at 35,000 - 40,000 ft as specified in paragraph 4 below and as shown in Tabs I and II to this appendix. At time of detonation the aircraft must be on a heading that is 90 degrees to a line from the detonation point to the designated aircraft positioning coordinates. These coordinates will be specified by CTG 8.4 upon arrival in the forward area. (U)

b. Positioning accuracy requirements at time of detonation have not been announced by AFTAC, but will be provided SAC Detachment Commander thru CTG 8.4. CTG 8.4 will be the final authority on test array positioning of the aircraft.

3. PRIORITY FOR SHOT PARTICIPATION: It will be noted that a priority has been designated for each shot under paragraph 4, Shot Participation. This has been provided to show which shots have precedence in event a conflict arises between required aircraft maintenance and participation in the test series. If such occurs, participation in priority two shots will be cancelled in lieu of those shots designated as Priority 1. An effort will be made to participate in all shots indicated under paragraph 4. (U)

4. SHOT PARTICIPATION: (U)

TENTATIVE DATE	EVENT	PRIORITY	ORBIT NUMBER	MSN DURATION
18 April	Rehearsal	-	1	7 Hours
23 April	Abode	1	1	7 Hours
25 April	Aztec	1	1	7 Hours
27 April	Arkansas	1	2	7 Hours

APPENDIX 3

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<u>TENTATIVE DATE</u>	<u>EVENT</u>	<u>PRIORITY</u>	<u>ORBIT NUMBER</u>	<u>MSN DURATION</u>
30 April	Rosebud	1	3	7 Hours
2 May	Yukon	1	2	7 Hours
4 May	Mesilla	1	2	7 Hours
5 May	Intecede	1	Unk	Unk
9 May	Muskegon	1	2	7 Hours
11 May	Yeso	1	3	7 Hours
14 May	Encino	1	3	7 Hours
15 May	Urraca	1	5	5 Hours
16 May	Swanee	1	2	7 Hours
18 May	Questa	1	2	7 Hours
21 May	Nambe	2	3	7 Hours
23 May	Chetco	2	3	7 Hours
28 May	Sunset	1	3	7 Hours
30 May	Tanana	1	3	7 Hours
1 June	Bluegill	1	5	5 Hours
4 June	Angel Fire	1	7	5 Hours
11 June	Otowi	2	3	7 Hours
13 June	Petit	1	2	7 Hours
15 June	Starfish	1	6	6 Hours
20 June	Big Horn	1	4	6 Hours
27 June	Truckee	1	3	7 Hours
4 July	Calaveras	1	4	6 Hours

APPENDIX 3
ANNEX "A"
SAC OPORD 17-62
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HEADQUARTERS STRATEGIC AIR COMMAND
Offutt Air Force Base, Nebraska
30 March 1962

TAB 1

APPENDIX III

ANNEX "A"

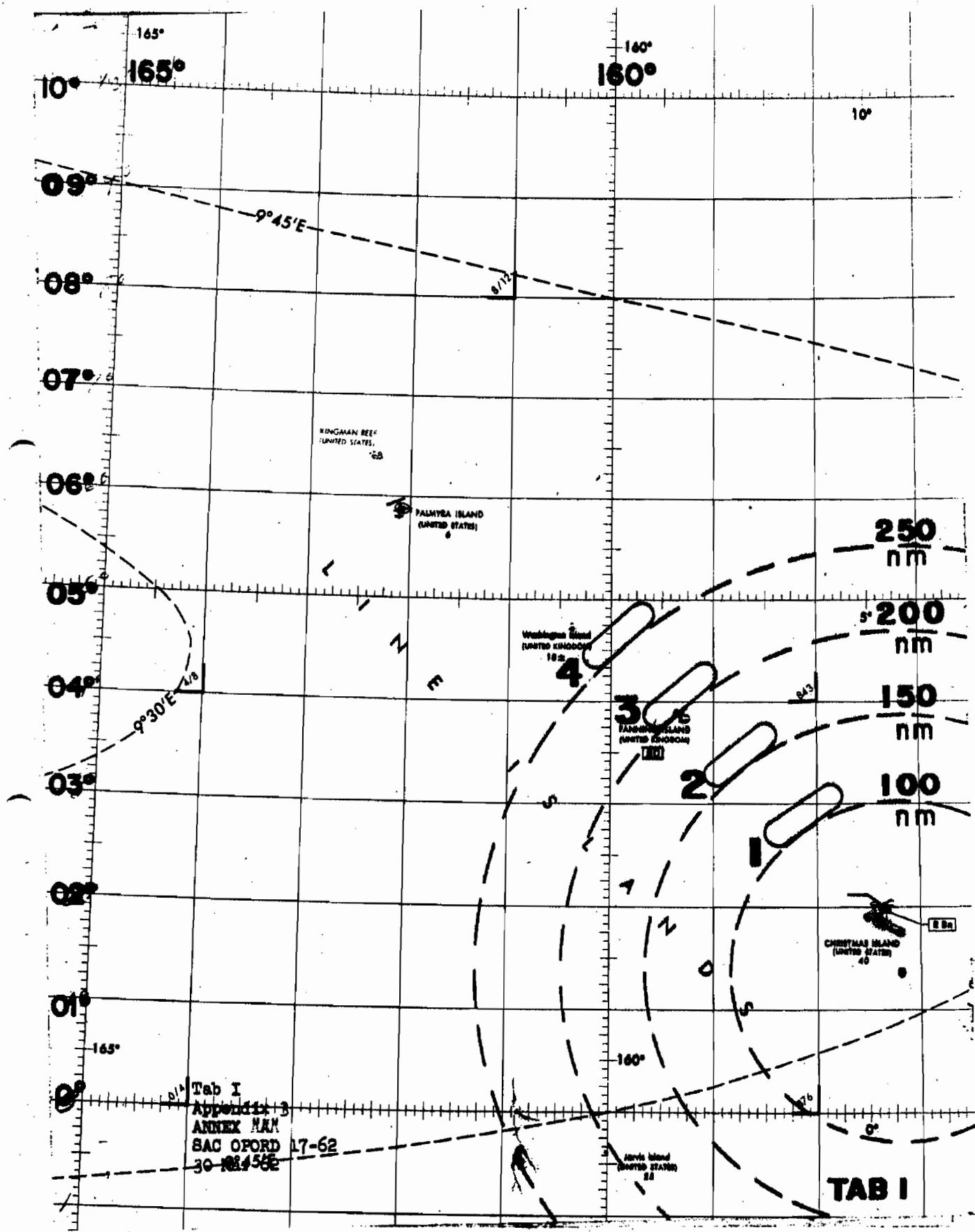
TO

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CHRISTMAS ISLAND AIRCRAFT POSITIONING

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HEADQUARTERS STRATEGIC AIR COMMAND
Offutt Air Force Base, Nebraska
30 March 1962

TAB 2

APPENDIX III

ANNEX "A"

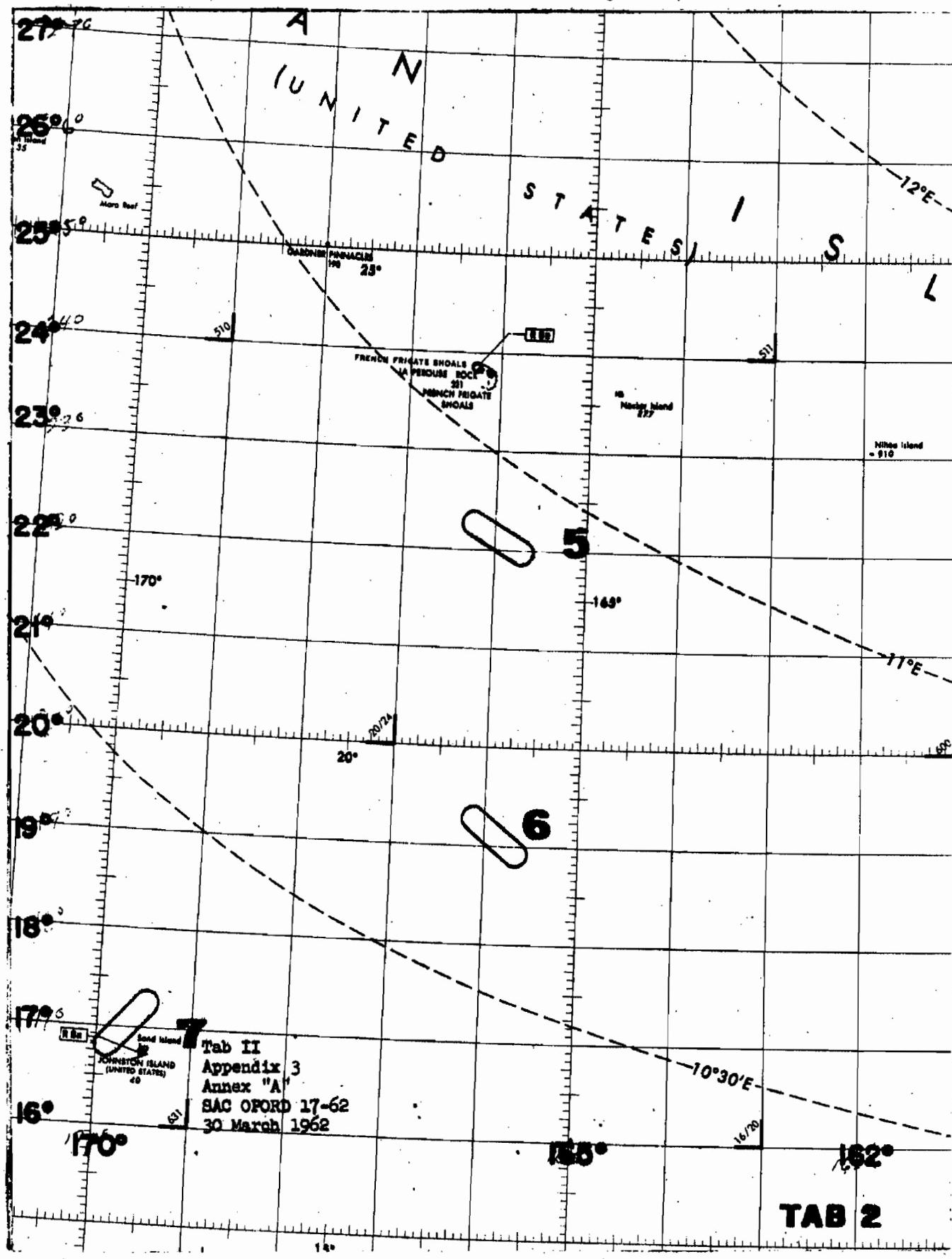
TO

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JOHNSTON ISLAND AIRCRAFT POSITIONING

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TAB 2
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SAC OPORD 17-62
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TAB 2

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HEADQUARTERS STRATEGIC AIR COMMAND
Offutt Air Force Base, Nebraska
30 March 1962

APPENDIX 4

ANNEX "A"

TO

OPERATIONS ORDER 17-62

KC-135 LASL SUPPORT OPERATIONS

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APPENDIX 4
ANNEX A
SAC OPORD 17-62
30 March 1962

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HEADQUARTERS STRATEGIC AIR COMMAND
Offutt Air Force Base, Nebraska
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SAC OPORD 17-62

KC-135 LASL SUPPORT OPERATIONS

1. GENERAL. (U)

a. SAC KC-135 #55-3136 and aircrew will participate in the Thor launched high altitude series nuclear tests, conducted near Johnston Island, in direct support of Los Alamos Scientific Laboratory collection of electromagnetic and photographic measurements data. It is possible that this aircraft may also be required for limited participation in certain Christmas Island events. This latter participation is unknown at this time. 

b. There will be three types of flights, local Hickam, dry runs, and mission, performed by the KC-135 supporting LASL data collection. The local flights will be for the purpose of airborne checks of instruments, procedures and maneuvers. The dry run flights will be simulated missions ignoring missile holds and recycle times. The mission flights will be the actual participation during detonation of the high altitude nuclear devices. Following detonation the aircraft will be required to fly approximately 200-250NM NW of French Frigate Shoals (normal position for the event), loitering as required to obtain additional data collection. 

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c. Los Alamos Scientific Laboratory will have approximately fifteen personnel and General Dynamics three personnel who will be responsible for the technical effort. Approximately eight of these people will be required aboard the KC-135 during airborne operations. (U)

2. AIRCRAFT POSITIONING: (U)

a. During dry runs and actual missions the aircraft will be required to fly a left-hand holding type pattern near French Frigate Shoals using 5 minute legs. At time of detonation, the aircraft must be over the designated coordinate in the test array, and on an easterly heading that is 90 degrees to a line from the detonation point to the designated aircraft positioning coordinates. The following will be used for planning purposes, but may be modified by CTG 8.4 as operational and technical requirements dictate: (U)

(1) Headings - Inbound 122° True Course (U)

- Outbound 302° True Course (U)

(2) Location at detonation time: $23^{\circ} 52'N$ (U)
 $166^{\circ} 43'W$

(3) Altitude: 35,000 plus or minus 5,000 ft - as required to be above clouds. (U)

b. Positioning accuracy requirements at time of detonation: (U)

(1) Coordinates: $23^{\circ} 52'N$, $166^{\circ} 43'W$ ± 1 NM (U)

(2) Heading: ± 1 Deg (U)

(3) Roll: ± 1 Deg (U)

3. SHOT PARTICIPATION: (U)

<u>TENTATIVE DATE</u>	<u>EVENT</u>	<u>LOCATION</u>	<u>MISSION DURATION</u>
25 April	Local Flight	Hickam AFB	4 hours
28 April	Dry Run	French Frigate	6 hours
1 May	Certification	French Frigate	10 hours
5 May	Local Flight	Hickam AFB	4 hours
11 May	Dry Run	French Frigate	6 hours
15 May	Urraca	French Frigate	10 hours
25 May	Local Flight	Hickam AFB	4 hours
28 May	Dry Run	French Frigate	6 hours
1 June	Bluegill	French Frigate	10 hours
4 June	Local Flight	Hickam AFB	4 hours
11 June	Dry Run	French Frigate	6 hours
23 June	Starfish	French Frigate	10 hours

(U)

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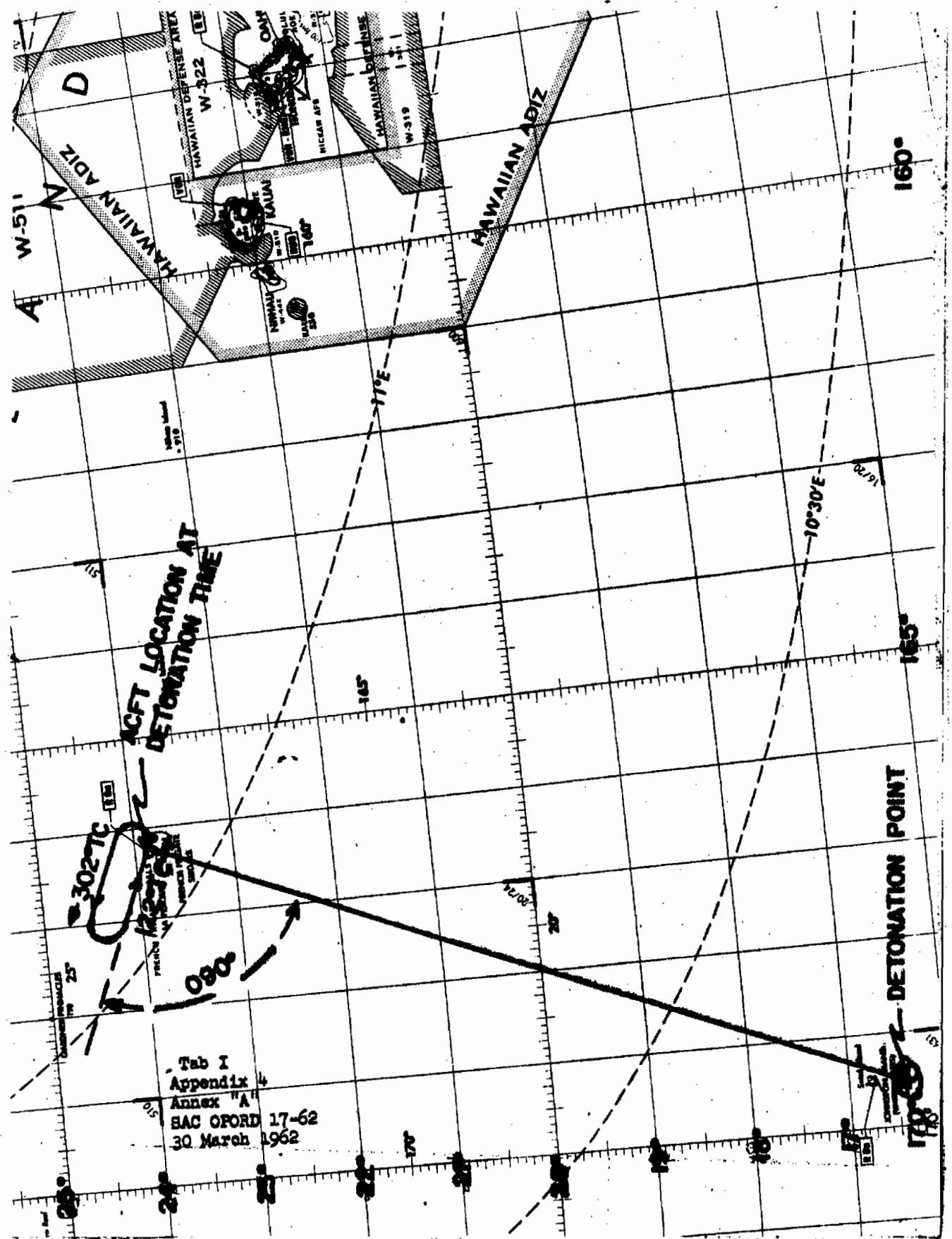
TO

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AIRCRAFT POSITIONING

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APPENDIX 5

ANNEX "A"

TO

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WEATHER

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HEADQUARTERS STRATEGIC AIR COMMAND
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WEATHER

1. GENERAL: The purpose of this annex is to outline the weather support requirements for Dominic Air Operations. (U)

2. ESTABLISHED WEATHER SUPPORT: Joint Task Force 8 (JTF-8) is organized and equipped to provide routine weather support to Operation Dominic, as outlined in Annex I to JTF-8 Operational Plan 2-62. Surface and upper air weather observations are available from the various ships and land weather stations in the JTF-8 area, and weather forecasts will be available from the JTF-8 Weather Central at Christmas Island for the duration of the operation. (U)

3. REQUIRED WEATHER SUPPORT: (U)

a. Weather support for deployment and redeployment of SAC U-2 aircraft will be provided in accordance with SAC OPORD 71-61, "Green Hornet." (U)

b. Weather support for deployment and redeployment of all other SAC aircraft will be in accordance with SACM 105-1. (U)

c. Weather support for the employment of SAC aircraft under operational control of JTF-8 will be provided by the JTF-8 Weather Central through coordination with SAC Detachment Commander. (U)

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Headquarters Strategic Air Command
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APPENDIX 6

ANNEX "A"

TO

OPERATIONS ORDER 17-62

COMMUNICATIONS

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Headquarters Strategic Air Command
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COMMUNICATIONS

1. GENERAL: (U)

a. Communications and communications procedures will be in accordance with USAF CED, AFMs and SACMs of the 100 series, applicable ACPs and JANAPs, current Flight Information Publications and Flight Planning Documents, except as modified herein. (U)

b. The Commander, Air Force Communications Service, will provide personnel, equipment, and facilities to include cryptographic security as required by the Comdr, Task Group 8.4 to support BLUE STRAW operations. Hq SAC will forward information pertaining to facilities and procedures developed in accordance with this requirement. (U)

c. This annex contains communications instructions for deployment/redeployment of participating SAC aircraft. (U)

d. Communications procedures for participation in the test project will be contained in a test plan prepared by the Aeronautical System Division (AFSC.) (U)

2. COMMUNICATIONS TASKS: (U)

a. Parent numbered Air Force of units designated to participate in

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this OPORD will insure that adequate air/ground systems and procedures are provided the unit aircraft during deployment/redeployment and that necessary VCSL call signs and air/ground operational codes are provided at the operational locations. Additional requirements generated in support of this OPORD which require Task Group 8.4 or lateral command support will be forwarded this headquarters, attn: DOCEO, for coordination. (U)

b. SAC XRAY: Operational or administrative traffic, both classified and unclassified, destined for the T. G. 8.4 Control Team will be addressed to SAC XRAY (RJWXKFX), ATTN: BLUE STRAW. (U)

(1) SAC Commanders Radio Station is operational 24 hours a day at SAC XRAY. (U)

(2) SAC Telephone Net service is available to SAC XRAY direct from Offutt AFB. (U)

(3) SAC XRAY communications officer will coordinate with appropriate AFCS and T. G. 8.4 representatives to determine end locations in the SAC XRAY C. P. of any new communications facilities. This headquarters, attn: DOCEO, and 15 AF, attn: DOELC, will be informed of all additions, deletions, or changes to the current communications structure of the C. P. and any associated problems which cannot be locally resolved will be forwarded. (U)

c. 1 Strat Air Div - Vandenberg: Will insure that installation, operation, and utilization of communications facilities adequately support command, operations, security, safety, and training requirements in

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accordance with SAC Plan 20-62 (DIAL RIGHT) and Annex B this OPORD. (U)

3. MEANS OF COMMUNICATIONS: (U)

a. Tactical communications: (U)

(1) The primary means of tactical control communications will be the SAC Short Order System. Reference Annex IV, SACM 100-24. (U)

(2) The secondary means will be the SAC Commanders Net SSB stations located at Offutt, Barksdale, March, Vandenberg, Elmendorf, Guam, and SAC XRAY. (U)

(3) The tertiary means will be AFCS HF Air/Ground stations. (U)

b. Air Traffic Control Communications: (U)

(1) Air traffic control communications with FAA/DOT/ICAO stations will be conducted on UHF air/ground channels insofar as possible. Use of HF frequencies to pass mandatory reports to these stations will be in accordance with Annex I, SACM 100-24. (U)

(2) Air traffic control communications will not be passed to or relayed by Short Order stations except under urgent or emergency instances. All air control traffic must be handled via FAA/DOT/ICAO communications channels. Diversion to alternate landing bases or recall instructions are not considered air traffic control instructions or information. (U)

(3) U-2 aircraft equipped with KWM-1 (SSB) will accomplish civil reporting via UHF/VHF when within range of ground stations. When over water, civil reports will be relayed through duckbutts via UHF/VHF primary or SSG 14560 kcs secondary. U-2 aircraft equipped with 618T-3 (SSB) will report

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in accordance with para (1) above. ~~(U)~~

4. RECALL PROCEDURES: (U)

- a. The recall word is CRACKER BOX. ~~(U)~~
- b. To recall a specific aircraft, the recall word will be suffixed by the aircraft tactical call sign. (U)
- c. In the event recall and/or diversion procedures are placed in effect, the recall word will be further suffixed with the call sign of the station to which the aircraft are recalled or diverted. In the event there is no call sign assigned for the desired recall or diversion station, the geographic name of the station will be used in the clear. ~~(U)~~
- d. In the event the recall word is used, this headquarters, attn: DOCEO, will be notified by the most expeditious means possible. (U)

5. AIR/GROUND CODE AND AUTHENTICATION: (U)

- a. KAA-29/TSEC will be used for authentication in accordance with existing procedures and directives. (U)
- b. KAC-72/TSEC will be used for coding and decoding of any classified traffic required. (U)

6. IFF/SIF: IFF/SIF will be operated in accordance with NORAD IFF/SIF Instruction 1-61 dated August 1961 and CINCPAC Supplement to ACP 160. ~~(U)~~

7. CALL SIGNS AND ADDRESS DESIGNATORS: (U)

- a. Aircraft tactical call signs - in accordance with the USAF VCSL and SAC Supplement thereto. (U)

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b. SAC Short Order System call signs:

Offutt Block 530, Line 8

Westover Block 530, Line 1

Barksdale Block 529, Line 9

March Block 530, Line 3 (T)

c. SAC Commanders Net (SSB) call signs, USAF VCSL:

Offutt Block 241, Line 5

Barksdale Block 207, Line 1

Vandenberg Block 255, Line 7

Elmendorf Block 218, Line 8

Guam Block 205, Line 7

SAC XRAY Block 212, Line 5 (D)

d. Address designators: SACAD will be used as directed in the SAC
Supplement to the USAF VCSL. (U)

8. FREQUENCIES: (U)

a. Communications rendezvous refueling frequencies, if required, will
be in accordance with Annex I, SACM 100-24. (U)

b. SAC Short Order SSB stations:

Frequency	Designator
-----------	------------

4725 KCS	VICTOR
----------	--------

6761 KCS	QUEBEC
----------	--------

9027 KCS	ROMEO
----------	-------

11220 KCS	BRAVO
-----------	-------

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13241 KCS	SIERRA
15041 KCS	MIKE
17975 KCS	TANGO
20631 KCS	WHISKEY
23337 KCS	UNIFORM (Standby status only) (U)

c. SAC Commanders Net SSB Radio stations:

Frequency	Designator	Area Use
7330 KCS	YANKEE	CONUS, U.K., Spain, Morocco & Mid-East
11243 KCS	ALFA	Worldwide
14717 KCS	BRAVO	Worldwide
14955 KCS	CHARLIE	Worldwide
20890 KCS	DELTA	Worldwide (U)

NOTE: All SSB frequencies - upper sideband only. (U)

d. U-2 aircraft equipped with KWM-1 will deploy/redeploy using 14560 kcs. (U)

e. UHF interplane common will be 321.0 mcs. (U)

f. HF interplane common will be 4725 kcs or 6761 kcs in priority. (U)

9. SPECIAL INSTRUCTIONS: (U)

- a. SAC Monitor Procedure Alfa applies during deployment/redeployment. (U)
- b. Individual aircraft must have an operational HF radio prior to coast out into an ICAO area. If aircraft are in cell, at least one aircraft must have an operational HF radio and may assume reporting responsibilities for other cell aircraft. (U)

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c. This headquarters, attn: DOCEO, will be an addressee on all communications matters pertaining to this operation. (U)

10. PUBLICATIONS: (U)

a. Communications Controller will maintain a communications kit containing all publications necessary to accomplish the objectives of this OPORD, to include but not limited to the following: (U)

(1) KAC-72 and KAA-29 documents in sufficient quantity for the planned duration of the air movement to the deployment base plus 72 hours. Current issues of these documents will be drawn from SAC XRAY resources during period of deployment. (U)

(2) ICAO codes for ZI and overseas bases. (U)

(3) USAF Voice Call Sign List and required supplements thereto (PACAF, ETC.) (U)

(4) SAC Call Sign Allocation Supplement. (U)

(5) SAC Circuit Directory. (U)

b. Aircrew communications Flimsy and Flight Information Publications requirement must include sufficient instructions, procedures, and documents for operation into and within the Pacific area. (U)

11. REPORT PROCEDURES: (U)

a. Air traffic control position reporting procedures will be in accordance with current Flight Planning Document (to include ICAO procedures) and FLIP charts. (U)

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b. Tactical Reports: (U)

(1) During deployment/redeployment the AENCP radio operator on the KC-135 will submit hourly OPERATIONS NORMAL reports and conduct an operational radio check on the half hour with the Short Order System. (→)

(2) During deployment/redeployment the 618T-3 equipped U-2 and the B-47 aircraft will submit hourly OPERATIONS NORMAL reports with the Short Order System. The KWM-1 equipped U-2 aircraft will submit this report on 14560 kcs. (→)

(3) Above reports will be addressed to SAC, parent numbered Air Force, and parent unit. (U)

12. COMSEC PROCEDURES: See TAB 1 this Appendix. (U)

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TO

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COMMUNICATIONS SECURITY

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COMMUNICATIONS SECURITY

1. REFERENCES:

AFM 10-2	Message Preparation Procedures
AFM 11-30	Custody, Use and Preservation of DOD Official Information which Requires Protection in the Public Interest
ACP 122	Communications Instructions, Security
AFR 205-1	Safeguarding Military Information
AFR 205-7	Communications Security
AFR 205-7-1	Transmission Security
AFR 205-15	Classified Defense Information
AFR 205-53	Transmission Protection for Certain Unclassified Messages (EFTO Procedures) (U)

2. PURPOSE: To provide the communications security ground rules for this operation and to prevent the compromise of this operations order/plan resulting from excessive and indiscriminate use of unclassified messages and telephone coordinations before, during, or after the operation. (U)

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3. GENERAL CONSIDERATIONS: Information does not have to be classified to be of significant intelligence value. Telephone conversations and unclassified teletype messages have no protection against enemy interception and exploitation. This information is, item-by-item, unclassified by existing security standards. However, through electrical transmission in plain language, particularly by radio, this information is readily available in sufficient volume to be of great value to unfriendly countries. Mentioning a particular type of equipment, a particular type of specialist, or a particular supporting phase (none of which is individually classified) may be all that is needed to reveal valuable intelligence information and to provide the "key" that leads to eventual compromise of an operation. (U)

4. RESPONSIBILITIES: (U)

a. General: All personnel, ground and aircrew, will take maximum security measures at all times to protect information pertaining to this operation. This includes the planning, coordination, and execution phases. (U)

b. SAC Aircrews and Ground Personnel: Aircrews will maintain strict radio discipline during both ground and flight operations. Aircrews and ground personnel will not mention the purpose of the trip, the units involved, or the operational concept in any in-the-clear radio transmissions. Air/Ground/Air and Air/Air/VHF/UHF communications will be held to an absolute minimum consistent with requirements for flying safety and aircraft control or as directed in this plan. (U)

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c. Communications Security Officers: Unit communications-electronics officers will insure that all personnel are instilled with an awareness of good security practices and of their responsibility in protecting the integrity of this plan. (U)

5. PROCEDURES: (U)

a. Use of Nicknames. Security analysis is greatly enhanced by repetitious use of unclassified nicknames over non-secure communications facilities. Facts and data developed in subsequent conversation, with a nickname providing the vital cohesion, permit the analyst to associate this with other accumulated datum which will disclose secure aspects of the operation. The most common communications facilities requiring utmost precaution by each individual are listed as follows: (U)

- (1) Unprotected air/ground radio-telephone conversations via HF radio circuits. (U)
- (2) Telephone calls via radio channels from the Continental U. S. to overseas areas. (U)
- (3) Telephone calls from overseas bases via radio channels. (U)
- (4) Unclassified messages not afforded AFR 205-53 "EFTO" protection. (U)

b. Inter-Command/Agency Coordination. Personnel coordinating with out-of-command agencies such as FAA, commercial concerns, foreign governments and other Air Force and service commands will make every effort to protect the security of this operation. They will advise those agencies

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whenever the information presented is classified and that its distribution will be on a strict need-to-know basis. (U)

6. TELEPHONE/RADIO-TELEPHONE SECURITY INSTRUCTIONS: (U)

a. Telephone Conversations. No attempt will be made to "Talk Around" a classified subject. Convenience telephone conversations between headquarters relating in any manner to this operation will be held to an absolute minimum consistent with operational requirements. (U)

7. TELETYPE MESSAGE SECURITY INSTRUCTIONS: (U)

a. General. In order to protect this operation, message drafters and releasing officials must be thoroughly aware of the need for devoting more than a cursory thought to the intelligence implication of each message. This need is especially apparent in the area of "supporting" communications, e.g., logistics, personnel, etc. (U)

b. Unclassified Messages to Department of Defense Activities: Message originators must determine if there is any security implication of their unclassified messages. EFTO procedures will be used for messages in the categories specified by AFR 205-53. (U)

c. Messages to Non-Department of Defense Activities: Unclassified messages to non-Department of Defense agencies cannot be sent via EFTO procedures. If both DOD and non-DOD agencies are addressees, two messages will be originated - one "UNCLASSIFIED EFTO" to the DOD activities and one "UNCLASSIFIED" to the non-DOD activities indicating on the DD Form 173 that

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it is a "Book" message by checking the appropriate block. (This is
advantageous from a security analysis standpoint.) (U)

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HEADQUARTERS STRATEGIC AIR COMMAND
United States Air Force
Offutt Air Force Base, Nebraska

ANNEX B

TO

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MISSILE OPERATIONS

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30 Mar 62

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HEADQUARTERS STRATEGIC AIR COMMAND
Offutt Air Force Base, Nebraska

ANNEX "B"

SAC OPORD 17-62

MISSILE OPERATIONS

1. GENERAL: In conjunction with nuclear test operations, conducted by the USA, the Strategic Air Command will launch an Atlas D missile from Vandenberg AFB. X day will be determined by CINCSAC. 

2. SECURITY: The launch area will be secured IAW provisions of SACM 205-2 and 205-5 and as may be directed by this headquarters and Headquarters 1st Strategic Aerospace Division. Access to launch area will be permitted only to persons having a validated requirement and will be controlled by means of access list and "Special Launch Day" badge. (U)

3. EXECUTION PROCEDURES: This will be a planned launch with all units notified in advance of the launch date. Execution procedures will be in accordance with paragraph 5 of this operations order. (U)

4. MISSILE PREPARATION:

a.

Deleted

b.

Done

c.

d.

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e.

DOE

5. LAUNCH CREW:

a. Crew Qualification. The launch and guidance crews selected will be the most highly qualified crews available in the 1st STRATAD Aerospace Division. (U)

b. Prior to launch day the selected crews will be given a complete and comprehensive standardization check by the 3901st Missile Standardization Squadron. (U)

6. TIMING: X day will be announced after approval has been announced. After announcement of X day all messages relating to timing of this launch will be in reference to plus or minus days from X day.

a. R-180 minutes 1710 Z.

b. R-0 minutes 2010 Z.

c. T-15 minutes 2025 Z.

d. "E" hour (liftout) 2045 Z. ~~(S)~~

7. INITIAL REPORT: A "quick-look" meeting will be held by 1st STRATAD two hours after liftoff to determine:

a. Mission results.

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- b. Test objective results.
 - c. "R" count.
 - d. "T" count.
 - e. Missile system performance. (U)
 - f. Missile flight safety.
 - g. Pad damage assessment.
8. PUBLIC INFORMATION INSTRUCTIONS: See paragraph X (5), General Instructions, of the basic order. (U)

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United States Air Force
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APPENDIX 1

ANNEX B

TO

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INTELLIGENCE

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HEADQUARTERS STRATEGIC AIR COMMAND
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APPENDIX I

ANNEX B

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INTELLIGENCE

1. GENERAL: The purpose of this annex is to provide necessary information as required for planning purposes. (U)
2. REFERENCES: (U)
 - a. SACM 200-3 (SECRET), subject: (U) Target Materials, dated January 1960. (U)
 - b. SACR 205-6, subject: (U) Handling of Classified Target Materials, dated 6 November 1959. (U)
 - c. Chart H.O. 5356, 4th edition, June 1954, revised 24 August 1959.
 - d. Chart JN-57, 1st edition, November 1955.
3. LAUNCH DATA: (U)
 - a. Launch complex will be 576B, Vandenberg AFB. Primary and alternate launcher data will be furnished by 1st Strategic Aerospace Division launch directive. (U)
 - b. Guidance System, 576B Mod III guidance station. (U)
 - (1) Coordinates (CTR) in DODNGS coordinates are: 34 degrees 46 minutes 58.5 seconds North, 120 degrees 35 minutes 03.4 seconds West. (U)
 - (2) Elevation: 67.53 feet. (U)
 - (3) Acquisition cubes:

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(a) Space cube one; T + 85 seconds, range 15 NM. (U)

(b) Space cube two; T+ 156 seconds, range 98 NM. (U)

c. Target Data: (U)

(1) Primary target data. Target is open ocean area located approximately 457 NM from Midway Island on an azimuth of 299 degrees. (S)

(a) The target name is "Hot Point 12." (U)

(b) Deleted - DOE

(c) Range: 3182.9 NM. Flight time 1278 seconds (21 minutes 18 seconds). (S)

(d) Ground Zero in DODWGS coordinates is 32 degrees 00 minutes 00 seconds North; 175 degrees 00 minutes 00 seconds East. (S)

(e) Surface impact point, in the event of airburst malfunction, range 3185.3 NM (plus or minus .3 NM). Flight time 1290 seconds (21 minutes 30 seconds). (S)

(f) Primary target reference point. Point Alpha 33 degrees 00 minutes 00 seconds North; 176 degrees 00 minutes 00 seconds East. (S)

(g) Primary target trajectory data: (U)

1. Initial flight azimuth 283.3 degrees true leaving Vandenberg AFB. (S)

2. Terminal flight azimuth 251.9 degrees during re-entry. (S)

3. Guidance Commands: (U)

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	<u>NOMINAL (SEC)</u>	<u>BACK-UP (SEC)</u>
BECO	138.7	145.0
BOOSTER JETTISON	141.7	148.0
SECO	261.8	
VECO	279	
PRE-ARM	289.8 (Approx)	
R/V SEPARATION	SECO + 35	(S)

4. Target Settings: R/V Pre-launch monitor panel fuze setting A13. (S)

5. R/V Target Selector (LC0 Console): A. Roll Voltage plus 36.6 volts. (S)

6. Target Kit Data: Control Number 651198, effective date 11 April 62, TAMP 650819. (U)

(2) Alternate Target Data: Open ocean area 1457 NM from center of Johnston Island AFB runway on an azimuth of 333 degrees. (S)

(a) The target name is "Hot Point 11". (S)

(b) Deleted - Doe

(c) Range: 2,972 NM. Flight time 1218 seconds (20 minutes 18 seconds). (S)

(d) Ground zero in DODWGS coordinates are 38 degrees 00 minutes 00 seconds North; 177 degrees 00 minutes 00 seconds East. (S)

(e) Surface impact, in the event of airburst malfunction, range 2,974 NM (plus or minus .3 NM). Flight time 1,290 seconds (S)

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(20 minutes 29 seconds). (S)

(f) Alternate target reference point: Point Alpha 39 degrees 00 minutes 00 seconds North; 178 degrees 00 minutes 00 seconds East. (U)

(g) Alternate target trajectory data: (U)

1. Initial flight azimuth 290.1 degrees true leaving Vandenberg AFB. (S)

2. Terminal flight azimuth 257.57 degrees during re-entry. (S)

3. Guidance Commands:-

	<u>NOMINAL (SEC)</u>	<u>BACK-UP (SEC)</u>
BEC0	139	145
BOOSTER JETTISON	142	148
SECO	259	
VECO	277	
PRE-ARM	287 (Approx)	
R/V SEPARATION	SECO + 35	(S)

4. Target Settings: R/V Pre-launch monitor panel fuze setting B 11. (S)

5. R/V Target Selector (LC0 console): B. Roll voltage plus 30.5 volts. (U)

6. Target Kit Data: Control number 651179, effective date 22 Mar 62, TAMP 650819. (U)

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HEADQUARTERS STRATEGIC AIR COMMAND
United States Air Force
Offutt Air Force Base, Nebraska

APPENDIX 2

ANNEX "B"

TO

OPERATIONS ORDER 17-62

WEATHER

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HEADQUARTERS STRATEGIC AIR COMMAND
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APPENDIX 2

ANNEX B

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WEATHER

1. GENERAL: The purpose of this appendix is to outline the weather support requirements for operation DIAL RIGHT. (U)

2. ESTABLISHED WEATHER SUPPORT: Joint Task Force 8 (JTF-8) is organized and equipped to provide routine weather support to Operation DOMINIC, as outlined in Annex I to JTF-8 Operational Plan 2-62. Surface and upper-air weather observations are available from the various ships and land weather stations in the JTF-8 area, and weather forecasts will be available from the JTF-8 Weather Central during the DIAL RIGHT vulnerability period. (S)

3. REQUIRED WEATHER SUPPORT: (U)

a. In addition to routine support, JTF-8 will: (U)

(1) Establish target area minimum weather criteria for accomplishment of this operation. Advise SAC (DOWE), Offutt AFB, for his reference in briefings to CINCSAC and the SAC Command Post. (U)

(2) Arrange for the routing of teletype surface and upper air weather reports and forecasts to Kunia Weather Central, Hawaii. (U)

(3) Provide climatological planning data for the target area for the planned X-day. (U)

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(4) Provide planning forecasts (forecasts in nonspecific terms and for relatively broad limits of values) for the target area and vicinity for the time periods X-36 and X-24 hours. (U)

(5) Provide operational forecasts (specific values of expected weather elements) and decision forecasts (revised operational forecasts) of weather and fallout for the target area and vicinity for the time periods X-12, X-6, X-3 and "X-0" hours. Forecasts will always be for the planned X-time, so that if the operation is postponed, the forecasts will always reflect the new X-time. (U)

b. Detachment 3, 3d Weather Wing, Vandenberg AFB, will provide weather forecasts as required for the launch area, using current SOP's for launch forecasts. These SOP's will follow the general format of the Hot Point series of launches. A fallout forecast will be prepared at X-3 hours for the launch area. ~~(U)~~

c. Global Weather Central (GWC), Offutt AFB, Nebraska, will provide weather briefings as required by the Hq SAC Command Post and/or CINCSAC, utilizing agreed upon forecasts as determined in coordination with JTF-8 Weather Central (for target area) and Det 3, 3d Weather Wing, Vandenberg AFB (for launch area). Voice communications between GWC, JTF-8 Weather Central, and Det 3, 3d Weather Wing Vandenberg will be used for this coordination. ~~(U)~~

d. Hq 3d Weather Wing will arrange for the routing of teletype data (3a(2) above) from Kunia Weather Central, Hawaii to Global Weather Central and Det 3, 3d Weather Wing, Vandenberg AFB, over existing weather communications circuits. (U)

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APPENDIX 3

ANNEX "B"

TO

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COMMUNICATION/INSTRUMENTATION

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HEADQUARTERS STRATEGIC AIR COMMAND
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APPENDIX 3

ANNEX B

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COMMUNICATION/INSTRUMENTATION

1. GENERAL: The purpose of this appendix is to outline communications/instrumentation instructions supporting Atlas missile launch "Dial Right". (U)
2. COMMUNICATIONS: (U)
 - a. Joint Army-Navy-Air Force publications (JANAPS) and allied communications publications (ACP) will apply. (U)
 - b. Air Force Regulations, Letters, and Manuals in the 100, 101, and 102 series plus SPCM's in the 100 series will apply. (U)
 - c. Headquarters 1st Strategic Aerospace Division will insure that installation, operation, and utilization of Communications facilities adequately support command, operations, security, safety, and training requirements. This includes necessary coordination with PMR. (U)
 - d. In the event additional requirements are generated, such requirements will be forwarded to this headquarters (DOCEP) for necessary action. (U)
 - e. New requirements generated in support of this plan which require Task Group 8.4 or lateral command support will be forwarded to this headquarters, attention DOCEO, for coordination. (U)

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f. Countdown narration circuits will be set up between the ICC and Hq SAC CP and between 1st Strategic Aerospace Division CP and the USAF CP by 1st Strategic Aerospace Division. (U)

g. SAC XRAY Communication Officer will coordinate with appropriate AFCS, TG 8.4, and 1st Strategic Aerospace Division representative to determine end locations in the SAC XRAY CP and any new communications requirements. (U)

h. SAC XRAY operational or administrative traffic, both classified and unclassified, destined for the TG 8.4 control team will be addressed to SAC XRAY (RJWXFFX). (U)

3. INSTRUMENTATION: (U)

a. Instrumentation facilities are required to fulfill operational and safety requirements will be provided by Headquarters 1st Strategic Aerospace Division. (U)

b. Instrumentation instructions and detailed telemetering information, if required, will be included in 1st Strategic Aerospace Division launch order covering this operation. (U)

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HEADQUARTERS STRATEGIC AIR COMMAND
United States Air Force
Offutt Air Force Base, Nebraska

APPENDIX 4

ANNEX "B"

TO

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DISASTER CONTROL

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HEADQUARTERS STRATEGIC AIR COMMAND
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APPENDIX 4

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DISASTER CONTROL

UNITS INVOLVED FOR DISASTER CONTROL

Hq SAC DCT TEAM

1STRATAD PRIMARY DCT TEAM

Hq 15AF DCT TEAM

93RD BW DCT TEAM

PROCEDURES

1. GENERAL INSTRUCTIONS: Adherence to safety procedures is of utmost importance in this launch and will be given prime consideration in ALL phases of flight preparation and countdown. (U)

a. The information contained in this appendix and the requirement will be disseminated on a strict need to know basis. (U)

b. During "DOMINIC" it will be necessary to provide instantaneous Disaster Control Team response both at Vandenberg AFB and off-base CONUS. (S)

c. The Pacific Ocean and Pacific areas are the responsibility of CINCPAC; however, SAC assistance will be provided CINCPAC should one of his land areas become involved and it is determined to be within SAC capability. (U)

2. RESPONSE: To insure timely and adequate SAC Disaster Control response, the following general plan will be used. (U)

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- a. 1st STRATAD will provide the primary DCT at VAFB and be primarily responsible for Disaster Control support of this event. (U)
 - b. The HQ SAC DCT will be in place at VAFB during the event to provide assistance, guidance, and support to the VAFB team. In addition, a KC-135 aircraft will be available to the Headquarters SAC DCT in event CINCPAC support becomes involved. (U)
 - c. The HQ 15AF and 93 BW DCT's will be on a standby alert with ground and air transportation at March and Castle AFB's respectively during the event. (U)
3. PREPARATION: In preparation for "DOMINIC" 1st STRATAD will take the following actions: (U)
- a. Develop an on-base visitor protection plan for this event. (U)
 - b. Conduct a minimum of three on-base "Broken Arrow" exercises prior to the scheduled event, oriented toward both on-base and off-base accidents. Special emphasis will be placed on: (U)
 - (1) Rapid clearing of a 1500 foot cordon. (U)
 - (2) Firefighting/medical response and on scene control. (U)
 - (3) Circulation Control. (U)
 - (4) The professional use of radiological monitoring instruments by team members. (U)
 - c. Prior to the event, if not accomplished within the last 90 days, conduct a routine Disaster Control response briefing for local and surrounding civil law enforcement and firefighting agencies. Material in Attachments 3 and 4 SADM 355-1, will be used for this briefing. Special

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care will be exercised to preclude conjecture as to the purpose of the briefing other than being a routine affair. (U)

d. Process an up-to-date list of civil agencies concerned within the surrounding area prior to the event. (U)

e. Brief this Headquarters DCT on arrival at VAFB of your Disaster Control Plan for this event and indicate the status of the proficiency level of the 1st STRATAD to cope with a nuclear accident. Date and time of arrival of the SAC DCT to your base will be provided. (U)

f. Prior to the event, brief permanent party personnel, who are not knowledgeable of the event, on the base 500 plan personnel protection measures to be employed in event of a nuclear accident. This must be done without revealing the intended purpose of the briefing. In addition, official visitor personnel will be briefed on the 1st STRATAD personnel protection plan being employed for their protection during the event. (U)

g. During the event provide the following air/ground transportation on standby alert for 1st STRATAD and HQ SAC DCT: (U)

AIR TRANSPORTATION

C-57, C-47, 2 H-19's (U)

GROUND TRANSPORTATION

As necessary to support DCT in coping
with an off-base accident (U)

4. DEFICIENCIES: 1st STRATAD will advise this headquarters at the earliest practical time of any DCT deficiencies which require higher headquarters assistance. (U)

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FOR 15AF AND 93rd BOMB WING

1. STANDBY ALERT: During this event a requirement will exist for standby alert of the HQ 15AF and 93rd BW Disaster Control Teams. The exact date(s) will be provided when the requirement becomes firm and should provide 4 to 6 weeks advance notice. (U)

a. To insure the highest level of readiness/proficiency to meet this requirement, the following actions will be taken. (U)

(1) Headquarters 15AF will augment their Disaster Control Team (DCT) with 16 AF's and 4 CBR monitors from local resources at March AFB. (U)

(2) 15AF and 93rd BW will conduct a minimum of three on-base "Broken Arrow" exercises oriented toward off-base employment and place emphasis on the following: (U)

(a) On scene control. (U)

(b) Rapid clearing of a 1500 foot cordon around a simulated accident scene. (U)

(c) Circulation Control. (U)

(d) Professional use of radiological monitoring instruments by team monitors. (U)

b. The date of the standby alert, air and ground transportation will be available for immediate use of DCT as follows: (U)

<u>BASE</u>	<u>AIR TRANSPORTATION</u>		<u>GROUND TRANSPORTATION</u>
March AFB	1 C-54	1 H-19 (U)	As necessary to support DCT in coping with an off-base accident. (U)

<u>BASE</u>	<u>AIR TRANSPORTATION</u>	<u>GROUND TRANSPORTATION</u>
Castle AFB	1 C-47 1 H-19 (U)	A necessary to support DCT in coping with an off-base accident. (U)

c. At least 10 days prior to this event, HQ 15AF and 93rd BW will certify to this headquarters the proficiency of their DCT's for employment indicating any deficiencies which require assistance from this headquarters. (U)

d. The requirement for providing helicopter support rests with 15AF and will be accomplished from within 15AF resources. (U)

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HEADQUARTERS STRATEGIC AIR COMMAND
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ANNEX "C"

TO

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REPORTS

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HEADQUARTERS STRATEGIC AIR COMMAND
Offutt Air Force Base, Nebraska
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ANNEX "C"

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REPORTS

1. GENERAL: Reports will be submitted as outlined in this annex. (U)
 - a. Combat Reports: Will be submitted IAW SAC Manuals of the 55-8 series and specifically as follows:
 - (1) Deployment: M-1, M-10, M-13, M-15, M-21. (U)
 - (2) Redeployment: M-1, M-10, M-13, M-15, M-21. (U)
 - (3) Tactical Missions: (U)
 - (a) Bombers: B-8, B-13, B-21, B-27. (U)
 - (b) Tankers: T-8, T-13, T-18, T-27. (U)
 - (c) Reconnaissance: R-8, R-13, R-18, R-27. (U)
 - (d) Weather Scout: R-8, R-13, R-18. (U)
 - (e) Missiles: S-1, S-2, S-9, S-10, S-13, S-27. (U)
 - (4) Addressees: All reports will be addressed to Distribution A plus 3rd Air Division and SAC task force commander through SAC XRAY, Hickam AFB. (U)
 - (5) The SAC Detachment Commander will submit a final mission report in the M-28 report format. (U)
 - (6) The SAC Detachment Commander, utilizing the facilities of SAC XRAY, is responsible for preparation and dispatch of ZIPPO combat reports in

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accordance with SAC Manuals of the 55-8 series. Voice reports will be submitted in accordance with normal procedures. (U)

b. Detachment Commanders Summary: Will be submitted within 24 hours after each participation. This report is intended to keep higher headquarters informed on the success of each mission, the effort expended and other comments by the detachment commander. This report will be submitted as follows: (U)

- (1) Classification: (U)
- (2) Precedence: Priority. (U)
- (3) Contents format: (U)
 - (a) SAC Offutt AFB. (U)
 - (b) ZIPPO, cite number, SAC Det Com Sum DOMINIC. (U)
 - (c) Date of mission, shot code name. Include rehearsal if applicable. (U)
 - (d) Summary of mission success to include number of aircraft airborne, aircraft completing mission as briefed, reasons for any deviations. (U)
 - (e) Other comments or recommendations. (U)

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HEADQUARTERS STRATEGIC AIR COMMAND
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ANNEX "D"

TO

SAC OPORD 17-62

LOGISTICS AND ADMINISTRATION

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HEADQUARTERS STRATEGIC AIR COMMAND
OFFUTT AIR FORCE BASE, NEBRASKA
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ANNEX "D"

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LOGISTICS AND ADMINISTRATION

1. GENERAL: (U)

a. Logistics support of this operation is based upon: (U)

(1) Administrative and Logistical instructions contained in SACR
400-3. (U)

(2) Maximum use of in-place assets. (U)

(3) Instructions contained in SACM 400-1 as referenced in this
annex. (U)

2. SUPPLY: (U)

a. SAC is responsible for providing supply support not otherwise available at Hickam AFB, Hawaii for approximately four KC-135 aircraft, two B-47E aircraft and two U-2 aircraft. Supplies and equipment provided will be serviceable. Common items and support equipment will be furnished by Hickam AFB. (U)

b. Fifteenth Air Force will provide supply support as follows: (U)

(1) From Castle AFB: (U)

(a) One KC-135 CLARK Recycle Package to include authorized shortages. (U)

(b) KC-135 items listed in Appendix I. (U)

(c) Selection of KC-135 Bench Stock Items. (U)

(d) One KC-135 Towbar. (U)

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(e) Two J57-59W Power Packs consisting of one Nr 1, 2, 3 and one Nr 4 position. (U)

(f) KC-135 Engine Change Equipment listed in Appendix II. (U)

NOTE: Above items will be assembled and available for pickup by special mission airlift by 10 April 1962. (S)

(2) Fifteenth Air Force will insure that the KC-135 Recycle package either contains or is supplemented with two (2) systems ASN-6 Computer, two (2) systems ASN-7 Computer and two (2) ARC-58 systems. In addition, one (1) ARC-58 Bench Mock-Up and two (2) sets of APN-70 will be provided from 15th Air Force's resources. These items will be assembled and available for pickup by Special Mission airlift by 10 April 1962. (S)

(3) Mountain Home AFB: (U)

(a) One B-47E Recycle Package. (U)

(b) Selection of B-47E Bench Stock Items. (U)

NOTE: Above items will be assembled and available for pickup by Special Mission Airlift by 10 May 1962. (S)

c. Second Air Force will provide: (U)

(1) McConnell AFB: (U)

(a) Two J47-25/25A Power Packs consisting of both an inboard and outboard configuration. (U)

(b) Pipe Cleaner Spares for aircraft Mod as result of ARC-89(V) installation. (U)

NOTE: Above items will be assembled and available for pickup by Special Mission Airlift by 10 May 1962. (S)

(2) Offutt AFB: (U)

(a) Required AR-200 spares (to be carried on board aircraft). (U)

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d. ARC-89(V) Pipe Cleaner and Looking Glass AGE will be provided from SAC resources and will be allocated by this headquarters (DM4D/DM3B). (U)

e. Above items will be prepared for shipment to Hickam AFB in accordance with Paragraph 4 and will be picked up by special mission airlift. Airlift requirements will be submitted to SAC in form of J-2 report in accordance with SACR 400-5 not later than 3 April 1962 for KC-135 support items and 20 April 1962 for balance of units. (U)

f. During deployment, supply personnel from Castle AFB and Mountain Home AFB will be responsible for handling KC-135 and B-47 supply requirements respectively except supply representative from Offutt AFB will handle ARC-89 and AR-200 requirements. They will insure CLARKs and other supplies are returned to applicable home station upon completion of project. Return airlift requirements will be submitted to SAC in form of J-2 report. (U)

g. Resupply, except as indicated below, will be in accordance with STAR procedures contained in Chapter 15, Part I, Vol I, AFM 67-1. All items will be requisitioned from the Weapon System Control Point. Precedence rating for all supply requirements will be I-VI. (U)

(1) Resupply of power packs will be made by the using activity via unit aircraft or MATS Channel Traffic Airlift. CLARK engines will be used for replacement of prepositioned engines if required. (U)

h. U-2 support: (U)

(1) SACR 400-3 will apply. (U)

(2) Enroute support required, as determined by Laughlin AFB, for two (2) aircraft, will be picked up by Special Mission Airlift approximately 25 April 1962. (U)

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(3) Resupply will be from WRAMA, ATIN: Mr. W. N. Denard, with assistance from home station, as required. (U)

(4) Airlift requirements will be submitted to SAC in form of J-2 report in accordance with SACR 400-5 as soon as possible. (U)

3. Maintenance: (U)

a. Aircraft and maintenance personnel selected in support of this order will be assigned to and become a part of the High Altitude Element at the operating location under the SAC Element Commander. (U)

b. The senior maintenance officer assigned to TF 8.4 will: (U)

(1) Assign personnel to specific tasks. (U)

(2) Schedule aircraft and maintenance requirements. (U)

(3) Establish operating procedures for a safe and efficient maintenance operation. (U)

(4) Establish procedures for compliance with Chapters 8 and 9, AFM 66-1. (U)

(5) Establish procedures for compliance with AFM 65-110. (U)

c. Maintenance directives issued by the senior maintenance officer will take precedence over SAC maintenance directives during period of temporary duty. (U)

d. Inspections: (U)

(1) Only safety of flight technical compliance orders will be accomplished during TDY periods. (U)

(2) Accessory changes due past the 60-day period will be cause for grounding of aircraft during TDY period. Prior to departure from ZI, aircraft records will be reviewed to insure accessories near expiration date

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are replaced. For planning purposes, aircraft may generate 200 flying hours away from the home station. (U)

(3) Spare engines will be available for failures only. At least 200 operating hours prior to scheduled removal must remain on installed engines prior to departures. (U)

(4) B-47 aircraft will have a 25-hour phased inspection completed prior to departure. Inspections due at the forward location will be performed by the TDY McConnell personnel. (U)

(5) KC-135 aircraft will have a 100-hour phased inspection completed prior to departure. Special instructions will be provided in movement orders. Inspections that may fall due at the operating locations will be accomplished by TDY personnel within limitations of available equipment and tools. Aircraft will not be returned to the ZI for aircraft inspections during the TDY period. (U)

e. Maintenance Personnel Qualifications: (U)

(1) Personnel selected for this order must meet certain qualifications to insure a successful completion of their assigned mission. In addition to technical proficiency, personnel must be familiar with CER procedures in detecting devices and decontamination. (U)

(2) Commanders will insure individuals possess these minimum qualifications: (U)

(a) Personnel are at least 21 years of age (to reduce radiation risk) and qualified in their particular specialty at the 5 skill level or higher. (U)

(b) Specialists and ground crew personnel possess authority to operate powered ground support equipment (AFTO Form 35). (U)

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(c) Ground crew personnel are qualified government vehicle operators. (U)

(d) Personnel have completed CBR basic or refresher training within the past 6 months. (Reference SSCR 50-24 and SAC Supplement to AFR 66-10). ~~SECRET~~

(e) Individual tool kits are available and complete. Tool kits must accompany personnel. (U)

(f) Personnel deploying possess sufficient military dress and fatigue uniforms for the period of TDY. Civilian clothing is authorized during non-duty hours and may be taken if weight authorizations are not exceeded. Mobility clothing or equipment will not be issued to ground crew or specialist personnel. (U)

(g) Crew Chiefs deployed in addition to the above must be: (U)

1. Physically qualified to fly in jet aircraft. (U)
2. Qualified to operate towing vehicles. (U)
3. Qualified to act as refueling supervisor. (U)
4. Qualified to monitor decontamination of aircraft. (U)

(h) Personnel who were selected and have departed the ZI prior to receipt of this order to meet advanced commitments are exempted from the above qualifications. (U)

f. Aircraft Equipment: (U)

(1) Each aircraft deployed will have a set of wheel chocks, grounding wires and publications required by T.O. 1-1-10. Special tools or equipment to support peculiar equipment installed may accompany aircraft if weight limitations are not exceeded. Special attention will be given to insure current inspection work cards accompany each aircraft. (U)

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(2) Each B-47 aircraft will deploy with a spare drag and approach chute. Special tools will be deployed to support two (2) B-47 aircraft aboard unit aircraft. Minimums required are those tools listed for a mobile recovery team, less 50 ton axle jack, in SACM 400-1A, plus special tools required for engine change. Hoisting equipment will be available at Hickam AFB. (S)

(3) B-47 aircraft selected for this TDY will require only those systems operational to perform the assigned mission. (U)

(4) Sufficient blank AFTO Forms 210 and 781 series for 60 days will accompany aircraft. (U)

(5) Essential 781 equipment required only for TDY period will accompany aircraft. (U)

(6) All B-47 and KC-135 aircraft will have flash curtains installed prior to departure from home stations. (S)

4. TRANSPORTATION: (U)

a. General: Initial placement of SAC personnel and cargo will be via participating SAC aircraft to the maximum extent possible and MATS Special Mission Airlift for the balance. Resupply will be accomplished by Project Star procedures. (U)

b. Submission of Requirements: MATS Special Mission airlift requirements will be submitted to this headquarters by J-2 report in accordance with SACR 400-5 not later than 3 April 1962 for KC-135 support and 20 April 1962 for balance of units. (S)

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c. Vehicular Support: Task Force 8.4 has advised that vehicular support in forward area will be provided by Hickam from base assets. ~~(U)~~

d. Marking of Cargo: (U)

(1) To provide ready identification of TF 8.4 cargo, all containers will be marked as follows. Modifications due to container size or shape are permitted. (See examples in Fig 1 and 2, Appendix III). (U)

- (a) CONUS address. (U)
- (b) Overseas address including SAC unit. (U)
- (c) Description of contents (when unclassified). (U)
- (d) Weight and cube. (U)
- (e) Package number (when required). (U)
- (f) Depot voucher number (when applicable). (U)
- (g) Bill of Lading number (when applicable). (U)

It is essential that the overseas address be the most conspicuous marking on the container and that it be as large as the available space and stencil limitation will permit. The overseas address will appear on all containers. Lettering will be at least $1\frac{1}{2}$ inches in height, when size of container permits, and not less than $\frac{3}{4}$ inches in any case. When the container is 10 cubic feet or under, only one side need be marked with the overseas address. When the container is over 10 cubic feet, the address will appear on two surfaces. If the surface area does not permit placing the overseas address all on one side, a break will be made where a dash (spacer) occurs. A waterproof tag or label may be substituted when the container is too small for directed lettering. It must be securely affixed to the container. (U)

(2) Packing Lists: (U)

(a) One copy of packing list inside each container and three (3) copies in a waterproof envelope on the outside. The latter should be securely attached to the most protected location, preferably on one end of the container between the cleats. It may be further protected by a covering plate if desired. (U)

(b) Packing lists are not required for packages containing only one item or identical items. In these instances, the contents stenciled on the outside will suffice. (U)

(c) When it is advisable that the nature of the contents not be known, a complete packing list will be placed inside the container and the outside packing lists will give only sufficient reference to the overseas address for proper identification. (U)

(d) Shipments of classified material will have packing lists affixed to the outside container and handling of classified shipping documents will be in conformance with AFR 205-1 as amended. (U)

5. MEDICAL: Medical support will not be deployed. (U)

6. PERSONNEL: (U)

a. General: (U)

(1) Administration: The Commander, Task Group 8.4, will assume responsibility for the administration of all personnel upon their arrival in the forward area. He will insure that changes in the status of assigned or attached personnel are promptly submitted to the individuals permanent organization of assignment. Administration other than personnel type will be conducted by the SAC element commander. (U)

(2) Casualty Reporting: Casualty reporting and mortuary services will be administered in accordance with current Air Force directives. While in the forward area, Hq Base Command, Hickam AFB, will provide assistance in this area. (U)

(3) Clothing Requirements: (U)

(a) The wearing of the winter uniform to the port of aerial embarkation has been waived by the Commander of Military Air Transport Service. The summer uniform may be worn by personnel of Task Group 8.4. (U)

(b) At least three (3) complete sets of summer uniforms consisting of 505 short sleeve shirts and shorts. Either blue or black thick sole beach shoes may be worn with this uniform along with a baseball cap. It is anticipated that the short socks may be worn; however, personnel should bring long socks in the event they are required. (U)

(c) Personnel are reminded that weight limits for baggage are 140 pounds (including excess) for rated personnel and 100 pounds (including excess) for all other personnel. (U)

b. Personnel Selection Criteria and Processing Procedures: (U)

(1) Selection Criteria: (U)

(a) Security Clearance: Individuals selected for Task Group 8.4 duty must have a minimum clearance of final SECRET. (U) (SAC OPORD 17-62). (U)

(b) Personnel displaying traits of emotional instability, poor character, and those having domestic problems, or a record of financial mis-management, will not be selected for duty in the forward area. (U)

(c) Replacements: Test participants should make adequate plans for replacement of personnel during the test series for such reasons

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as emergency absences, hospitalization, termination of TDY, radiation exposure, rotation of crews, etc. (U)

(d) Security: Care should be given the selection of personnel to insure that individuals known to be irresponsible will not be selected for duty in the forward area. (U)

(2) Processing: (U)

(a) It will be the responsibility of the Commander of each participating unit and/or element to insure that all TDY personnel receive necessary processing instructions prior to reporting to the first temporary duty station. Care should be taken to insure that individuals tentatively scheduled for overseas TDY receive necessary immunizations and physical examinations (if required). (U)

(b) Personnel will be briefed prior to departure from their duty station regarding the necessity of self censorship. They will be informed that they will be exposed to classified information vital to the security of the nation, and that the matter of security is a continuous obligation regardless of their assignment or location. All personnel reporting to the forward areas will be required to receive a security briefing upon arrival, and will be debriefed prior to departure from the forward area. (U)

c. Personnel Procedures: (U)

(1) Personnel classification actions for personnel attached to the Task Group 8.4 will be normally held in abeyance until the individual has returned to his parent organization. Cases for which immediate action is deemed appropriate and/or desirable, will be initiated by the Task Group 8.4 and forwarded to the parent organization for review and inclusion in

[REDACTED]
field personnel records. Hickam Base Command will provide assistance in establishing classification boards and administering test associated with classification actions. (S)

(2) Normally, only those personnel who have sufficient time remaining on their enlistment to complete this operation will be sent to the forward area. Personnel who, in the opinion of their commander, are essential to the operation, may voluntarily extend their enlistment for the period necessary to complete the operation. (U)

(3) Request for release and/or replacement of personnel will be forwarded through the Commander, Task Group 8.4, to the parent organization of the individual concerned. Requests for replacements should be made only in the cases of emergency. (U)

(4) Leaves of absences must be approved by the Commander, Task Group 8.4, and will not normally be granted except in case of emergency (the American Red Cross Field Director at Hickam AFB will be asked to verify individual requests). Individuals returned to the ZI on emergency leave whose return is not deemed in the best interest of the service will be directed by the Task Group 8.4 Commander to return to their home station upon expiration of leave.

(S)
(5) Personnel released from duty and attachment to the Task Group 8.4 may be granted delay enroute on Task Group 8.4 Special Orders to their station of permanent assignment provided prior approval is obtained from parent organization. (U)

(6) Officers' effectiveness reports and airmen performance reports will be rendered as required by appropriate directives and in accordance with procedures established by the Commander, Task Group 8.4. (U)

(7) If required, an Awards and Decoration Board composed of representatives from units attached to the Task Group, will be appointed by the Commander, Task Group 8.4. Unit or element commanders will submit recommendations for awards and decorations to the Board at least two weeks prior to the anticipated end of the operation. The Board will review and submit recommendations with regard to each case to the Commander of the Task Group 8.4, who will rule on their recommendations and, when appropriate, forward to Commander JTF-8. (U)

(8) All participating units will furnish the Commander, Task Group 8.4, Hickam AFB SAC Element Commander, and Hq SAC, ATTN: DM2A, with a roster of all personnel of their units who are assigned duty with this operation. This roster will include the grade, name, AFSN, AFSC, type of security clearance possessed, duty assignment, and duty location of all personnel. Changes to the original roster will be furnished as they occur. In addition, information will be provided as to the expected arrival date of each individual in the forward area. This information is important in order that he can be met and given required security briefing. (U)

(9) Provide immediately to the Commander, Task Group 8.4, Hickam AFB, four (4) photographic prints of each individual. Photographs will be 2 inches wide by 3 inches high showing head and neck with top of shoulders only. Image should substantially fill field of photo. Average head should measure 1 and 1/4 inches to 1 and 1/2 inches across the lobes of the ears. All military personnel being photographed will be in uniform. The following information must be an integral part of the photo and must appear in a 3 line format on a name board which must not utilize more than 1/3 of the total length of the photo. First line -- Last name; Second line -- First name and middle

initial; Third line -- 8.4 on the left side and organization affiliation - TAU, on the right side. (U)

(10) Records: Permanent personnel records of individuals placed on TDY with Task Group 8.4 will be maintained by the parent organization. (U)

(a) The following records will be furnished for all individuals on TDY in excess of 30 days with Task Group 8.4 and will be carried to the first TDY duty station: (U)

1. Thermofax copy of AF Form 7 or 11 (the remarks section will be annotated to indicate first day of TDY from home station). (U)

2. One copy of AF Form 246 (Record of Emergency Data). (U)

3. Sufficient copies of TDY travel orders. (U)

4. Flight records should not be brought with individuals.(U)

d. Personal Affairs: (U)

(1) The Personal Affairs program will be under the direct supervision of element commander. (U)

(2) Personnel should be instructed to have their personal affairs in order prior to departure from their home station. Arrangements should be made for pay to reach the dependents at the proper time, either in the form of allotments or checks mailed to a joint checking account. If required, personnel should make arrangements to execute a limited Power of Attorney which should be left in competent hands. Enlisted personnel should be reminded that arrangements can be made with his Finance Office, by a special allotment, for his monthly pay to go to dependents. This is separate from, and in addition to, the normal Class Q allotment. The special allotment is handled strictly at the local Finance Office level and may be started or stopped at any time. (U)

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(3) Dependents should be fully briefed on the provisions of the Dependent's Assistance Program, and should be made aware of the emergency assistance that can be rendered by the Air Force Base nearest to their residence. (U)

(4) The American Red Cross and the Air Force Aid Society at Hickam Air Force Base will be available to provide emergency financial assistance if required. (U)

e. Special Services: Recreational facilities at Hickam AFB and Barbers Point are adequate for a well-rounded off duty athletic program. In addition, there are Libraries, Officers Clubs, NCO Clubs, Service Clubs, Beach Clubs, facilities for fishing, swimming, hobby shops, etc. Task Group 8.4 cannot furnish athletic equipment or recreational supplies. 

f. TDY Support Personnel Manning: (U)

(1) 15th Air Force Commitments: (U)		KC-135 #3136	KC-135 #0341	B-47E CLARK 9BW
<u>TITLE</u>	<u>AFSC</u>			
Flight Chief	43171E/90	1		
Crew Chief	43151/71E	1	1 *	
Ground Crew	43151/71E	1	3	
Jet Engine	43250/70	1	1	
Pneudraulics	42152/72	1	1	
Instrument	42250/70	1		
Electric	42350/70	1	1	
Auto-Pilots	42353/73C	1		
Elec.-Nav	30151/71	1	1	
Radio	30150/70	1		

<u>TITLE</u>	<u>AFSC</u>	KC-135 <u>#3136</u>	KC-135 <u>#0341</u>	B-47E CLARK <u>9BW</u>
Supply	64750/70	1		1
Clerical	70250	1		
TOTAL		12	8	1

(2) 2nd Air Force Commitments: (U)

<u>TITLE</u>	<u>AFSC</u>	KC-135 <u>#8011</u>	KC-135 <u>#1514</u>	B-47 PIPE CLEANER ACFT
Flight Chief	43171E/90			1 *
Crew Chief	43151/71E	1 *	1 *	2 *
Ground Crew	43151/71E	2	2	4
Jet Engine	43250/70	1	2	2
Pneudraulic	42152/72		1	1
Instrument	42250/70		1	1
Electric	42350/70		1	1
Auto-Pilot	42353/73C		1	1
Elec-Nav	30151/71	1	1	1
Clerical	70250		1	
Radio	30150/70	2 *	1	2 **
Supply	64550	1 *		
Parachute Rigger	58150			1
Bomb-Nav	32150E			2
TOTAL		8	12	19

* Personnel will be selected from unit with participating aircraft.

** McConnell radio personnel must be ARC-89 qualified.

NOTE: All crew chiefs will deploy/redeploy aboard assigned aircraft. All KC-135 support personnel will deploy/redeploy aboard aircraft assigned as indicated above.

(3) U-2 Personnel Commitments (2AF): 7 officers, 3 civilians, and 50 airmen will constitute the total U-2 personnel package. (U)

(4) SAC Personnel Totals: (U)

	<u>2AF</u>			<u>15AF</u>		
	OFF	AMN	CIV	OFF	AMN	
SAC Element Commander	1					
Air Crew Members	28	10		6	2	
KC-135 Support		20			20	
B-47 Support		19			1	
U-2 Support	4	50	3			
TOTALS	33	99	3	6	23	

GRAND TOTAL - 39 Off

- 122 Amn

- 3 Civ

7. ADMINISTRATIVE SERVICES: (U)

a. Mail Address: C/O Liaison Officer, Joint Task Force Eight, APO 953, San Francisco, California. Paragraph 3c(2)(a), SAC Supplement #1 to AFR 182-4, will be complied with. (U)

b. Publications and Blank Forms: Blank forms and publications will not be available in the overseas area. Each unit and element will bring its own supply of forms, technical orders and stock lists pertinent to their unit equipment. (U)

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c. Censorship: No censorship of mail is contemplated. All personnel are directed to exercise self-censorship of mail and to comply with all security regulations in the writing of letters. (U)

d. Orders: Parent units will forward two (2) copies of Travel Orders for each passenger to the appropriate JTF-8LNO. Travel Orders will be mailed so as to insure receipt of same by the LNO at least 2 days prior to the scheduled departure of the passenger. Notice of cancellation of orders will be forwarded to the LNO by the most expeditious means. (U)

8. SECURITY: (U)

a. All aircraft will be protected in accordance with the requirements of SACM 205-5 for the protection of non alert aircraft. (U)

b. Individuals selected for Task Group 8.4 duty must have a minimum clearance of final SECRET. (U)

9. COMPTROLLER: (U)

a. Per diem is authorized. (U)

b. To deduce the workload incurred by casual payments in the forward area, personnel will be briefed that maximum partial payments are available at the home base before departure. (U)

c. For balance of FY 1962, TDY will be charged to Air Operations funds, FPCs 21142 and 21212. FY 1963 requirements will be charged to local O&M P458 funds of applicable SAC base, under Financial Plan Codes 21219 and 21319. (U)

d. TDY funding for aircrews flying KC-135 aircraft number 1514 will be charged to USAF/AFTAC. Funding information will be forwarded by separate correspondence. (U)

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APPENDIX I

ANNEX "D"

TO

SAC OPORD 17-62

KC-135 ITEMS

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APPENDIX I

ANNEX "D"

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KC-135 ITEMS

<u>STOCK NUMBER</u>	<u>NOUN</u>	<u>QTY</u>
0245-2840-585-4596	Oil Screen Filter O Ring	24
0245-3840-620-9036	Gasket	10
0245-2840-654-7883	Actuator, Bleed Valve	1
1630-540-4254	Brake Assy	1
1650-716-1723	Transmission Assy	1
1650-691-1753	Pump Hydraulic Eng Driven	1
1660-529-3481	Valve, Starter, Air Shut Off	1
1660-684-6857	Valve, Anti-Ice	1
1660-618-5422	Strut, Air Bleed Valve	1
1660-668-5544	Valve	1
1680-685-0304	Actuator	1
2840-712-3619	Governor, Bleed Valve	1
2915-606-2558	Fuel Boost Pump Wing	1
2915-326-4780	Turbine Starter	1
2915-289-9730	Pump Fuel, Overide Center	1
2915-571-0519	Pump Fuel, Forward Body Tanks	1
2915-766-1287	Pump, Water	1
2915-624-4378	Engine Driven Fuel Pump	1

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<u>STOCK NUMBER</u>	<u>NOUN</u>	<u>QTY</u>
2915-629-1621	Valve, Water Injection	1
2915-739-0920	Control, Fuel	1
2925-533-6233	Ignition Unit Engine	1
2925-564-0350	Ignition Coil Unit Engine	1
2995-511-5286	Valve, Air Bottle	1
2995-618-5204	Starter Air Valve	1
4246-6110-7060	Control Panel	1
AGEN 6115-678-6305	Generator	1
2995-690-5635	Fuel Air Starter	1
5330-251-9369	Fuel Filter O Ring (AN 123887)	24
5340-257-0040	Plug Igniter	2
5821-505-0945	Rcr Intr RT 26B/ARC-34	1
5821-543-1261	Coupler, Ant 59390001/ARC-65	1
5821-620-5743	Rec Xmtr RT-400/ARC-65	1
5831-538-4250	Amplifier, Interphone CP82A/ALC-10	1
5841-600-9352	Amplifier, A34758/APN-81	1
5841-588-9496	Rec & Xmtr RT274B/APN-81	1
5841-690-5951	Indicator IP-223A/APN	1
5841-690-5953	Power Supply PP-1075A/APN-59	1
1730-293-3815	Jack Pads	1 set (6)
5841-690-5954	Rec & Xmtr RT289B/APN59	1
5930-629-8762	Switch Water Injection	4
6105-6620-626-2604	Transmitter, Fuel Flow	1
6110-500-0391	Regulator, Voltage	1

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<u>STOCK NUMBER</u>	<u>NOUN</u>	<u>QTY</u>
6110-561-1209	Controller, Lead & Frequency	1
6610-585-5929	Accumulator	1
6620-556-8341	Transmitter, Oil Pressure	2
6620-342-0755	Transducer	1
6680-526-8126	Gen. Tech. Engine Driven	1
9150-753-4667	Oil, Air Cycle Machine BMS3-7	1 gal

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APPENDIX II

ANNEX "D"

TO

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ENGINE CHANGE EQUIPMENT - KC-135

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ENGINE CHANGE EQUIPMENT, KC-135

<u>STOCK NUMBER</u>	<u>NOUN</u>	<u>QTY</u>
1730-655-8064	Installation Delly	1
1730-654-8389	Power Pack	1
1740-580-0494	Trailer Eng.	1
5120-221-7945	Wrench	1
5120-595-9073	Wrench	1
5120-562-3157	Adapter	1
5120-270-3121	Wrench Torque	1
4920-629-1651	Rigging Tool	1

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APPENDIX III

ANNEX "D"

TO

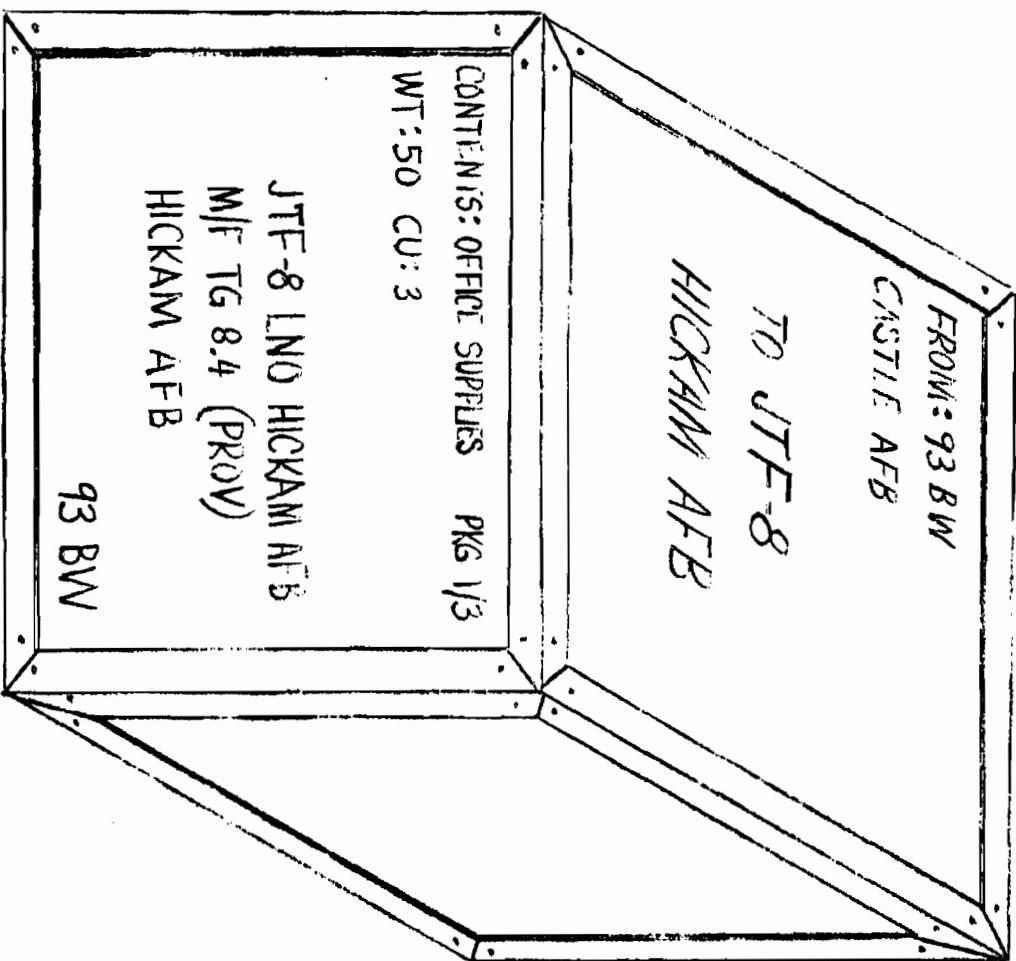
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CARGO MARKINGS

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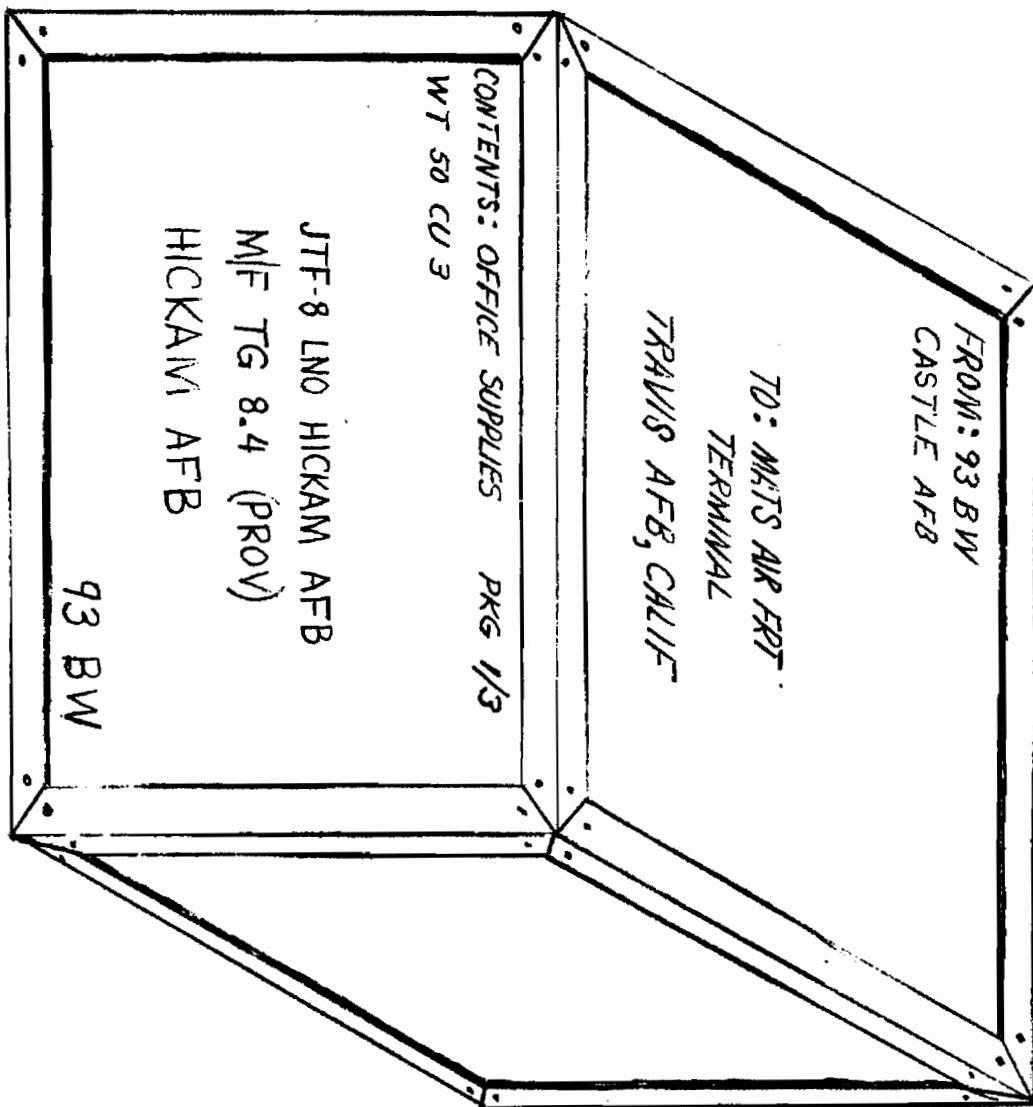
MATS SPECIAL MISSION OR UNIT AIRCRAFT

SHIPMENTS FIG 1



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MATS CHANNEL TRAFFIC SHIPMENTS FIG 2



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APPENDIX IV

ANNEX "D"

TO

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SPECIAL INSTRUCTIONS FOR "ANGEL FIRE"

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HEADQUARTERS STRATEGIC AIR COMMAND
Offutt Air Force Base, Nebraska

APPENDIX IV

ANNEX "D"

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SPECIAL INSTRUCTIONS FOR "DIAL RIGHT"

1. ADMINISTRATION: Normal. (U)
2. LOGISTICS:

a.

Deleted *Done*

The AEC will further identify these warheads by stenciling the launch code name "DIAL RIGHT" on both the warhead containers and the warheads.

b. Logistics movement of the warheads, when approved by Hq USAF, will be in accordance with AFR 67-15. (u)

c. 1st Strategic Aerospace Division will appoint a project officer, AFSC 3275, to monitor receipt and installation of "DIAL RIGHT" warheads.

d. Project officer will certify that warheads being used for this test are those provided. He will insure the warheads are installed in the re-entry vehicles in accordance with T.O. 21-SM 65D-2J-5-2 and changes concerning paragraph 4-53g, 4-53h, and 4-53j for the Atlas "D" operational launch. Reference Sandia Corporation letter RS 7140/99 dated 27 October 1961 and Hq SAC and SAAMA indorsement thereto.

Amend #2

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~~SECRET~~
The following changes to T.O.-21-SM65D-2J-S-2 will:

- (1) Preclude receipt of an impact fire signal by the warhead.
- (2) Provide necessary circuitry to enable the normal launch console indications.

These changes are for exclusive use in connection with operation "Angel Fire" and must not be reflected in operational technical orders.

<u>PAGE</u>	<u>PARAGRAPH</u>	
4-21	4-53g	Change to read: <u>DO NOT</u> remove shorting plugs from warhead receptacles J3 and J4.
4-22	4-53h	Change to read: Remove protective caps from P6, P1, P2, and P7 of cable W-11. <u>DO NOT</u> remove protective caps from P3 and P4 of cable W-11.
4-22	4-53j	Change to read: Connect AFT section cable W-11 plugs P6, P1, P2, and P7 to jacks J5, J1, J2, and J6 respectively. Fasten pigtail cables P3 and P4 securely to cable W-11 by acceptable procedures.

3. 1st Strategic Aerospace Division will comply with AFM 67-1, Vol I, Chapter 18, for warhead expenditure.